COMMERCIAL CAR JOURNAL

NOVEMBER 1960

CCJ

THE MAGAZINE OF FLEET MANAGEMENT

A CHILTON PUBLICATION

- PRODUCTS
- MANUFACTURERS
- ASSOCIATIONS

The only complete

FLEET BUYERS' DIRECTORY 1961

DIAMOND T MOTOR TRUCK COMPANY

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Kysor Heater Company
Gentlemen:

For many years Diamond T has been a firm believer in the many advantages obtained by the use of shutters.

We believe in having uniform engine temperatures uphill or down, so that the engine is warm and ready to go after descending a long down grade.

It is our opinion that we have been able to accomplish this by using Kysor Automatic Radiator Shutters, backed up by exclusive use of them for at least fourteen years. We know that they have performed most satisfactorily, and that acceptance in the field is excellent.

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Yours very truly,

R. C. Wallace
Director of Engineering

One of 20 diesels operated by Arnold Hohenshelt, Fresno, California

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GAS OR DIESEL, LARGE OR SMALL —KYSOR QUALITY COSTS NO MORE— SAVES MUCH MORE!

FOR COMPLETE INFORMATION WRITE HOWARD DELLARD, SALES MANAGER, KYSOR, CADILLAC, MICH.

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Automatic Shutters

KYSOR HEATER COMPANY **CADILLAC, MICHIGAN**

Harold Sexton, Superintendent of Maintenance, S & W Motor Lines, Greensboro, North Carolina.

HAROLD SEXTON REPORTS ON PEDRICK

"Our fleet consists of one hundred and one powered units," writes Harold Sexton, Maintenance Superintendent for S&W Motor Lines of Greensboro, N. C. "The main part of our operation runs over the Allegheny mountains from North Carolina and South Carolina into Virginia, West Virginia, Pennsylvania and Ohio. Our fleet averages about 85,000 miles, per unit, per year of mountainous operation.

"We have found Pedrick Formflex piston rings best suited to our operation. These rings have given us excellent oil control and have increased the life of our engine overhauls. Our records over the past ten years have proven to us that Pedrick piston rings do keep abreast with the progressive trends of the trucking industry."

What about *your* fleet? For the best, most dependable piston ring performance possible, specify Pedrick Formflex Chrome Piston Rings at your next overhaul. You'll enjoy better oil control, longer life, lower cost-per-mile.

DEPEND ON **Pedrick**

FOR THE RIGHT RING JOB

WILKENING MANUFACTURING CO., Philadelphia 42, Pa. IN CANADA, Wilkening Manufacturing Co. (Canada) Ltd., Toronto 2

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COMMERCIAL CAR JOURNAL
CCJ
THE MAGAZINE OF FLEET MANAGEMENT

NOVEMBER 1960
VOL. 100 NO. 3

FLEET BUYERS' DIRECTORY 1961

Here's your latest Fleet Buyers' Directory—a CCJ exclusive for fleet management. It's been thoroughly revised and up-dated to give you the most complete source of "Who Makes What You Want" and "Where to Buy It" information you need in your fleet's operation.

Product Directory 53

Products are listed alphabetically by their most commonly used name are fully cross-referenced to make it even easier for you to find what you want. Related products are listed with the major product they pertain to. Once you know who makes the product you want, turn to the . . .

Manufacturers Directory 236

Here you'll find a complete alphabetical list of manufacturers and their addresses. If you already know who makes the product, save time. Just look in this section for the address you want. In some cases, the makers have included a list of local distributors or sales branches.

Association Directory 289

This is CCJ's annual guide to national, state and local associations and groups of importance to fleetmen—for-hire, private, passenger car, bus or construction. It also contains an up-to-date list of schools and colleges offering fleet courses for management, drivers and mechanics.

And these features

ATA Asks for Uniform Registrations..... 276
Fleet operators attending the annual convention recommended federal legislation to help cut illegal trucking

Rotor Jets Give Fast Cleanup on Tankers 359
The E. Brooke Matlack tank fleet uses them to cut tank cleaning time and costs. Here's how they work

ICC Revises Lighting Regs..... 362
Here's a run-down on all the changes you need to know to meet the new requirements effective July 1 next year

Departments

The Overload 5
At Your Service..... 12
Dates and Doings..... 28
Up Front with CCJ..... 33
Bulletin Board 48
Laugh It Off..... 50
New Truck Registrations 358
November News Roundup 367
Among the States..... 377
Safety Awards 378
Equipment Purchases ... 378
Fleet Notes 386
Factory Flashes 386
Index to Advertisers.... 390

What's New

In Trucks 314
In Trailers 318
In Engines 320
In Buses 320
In Truck Bodies..... 322
In Vehicle Accessories.. 324
In Shop Equipment..... 340
In Publications 393

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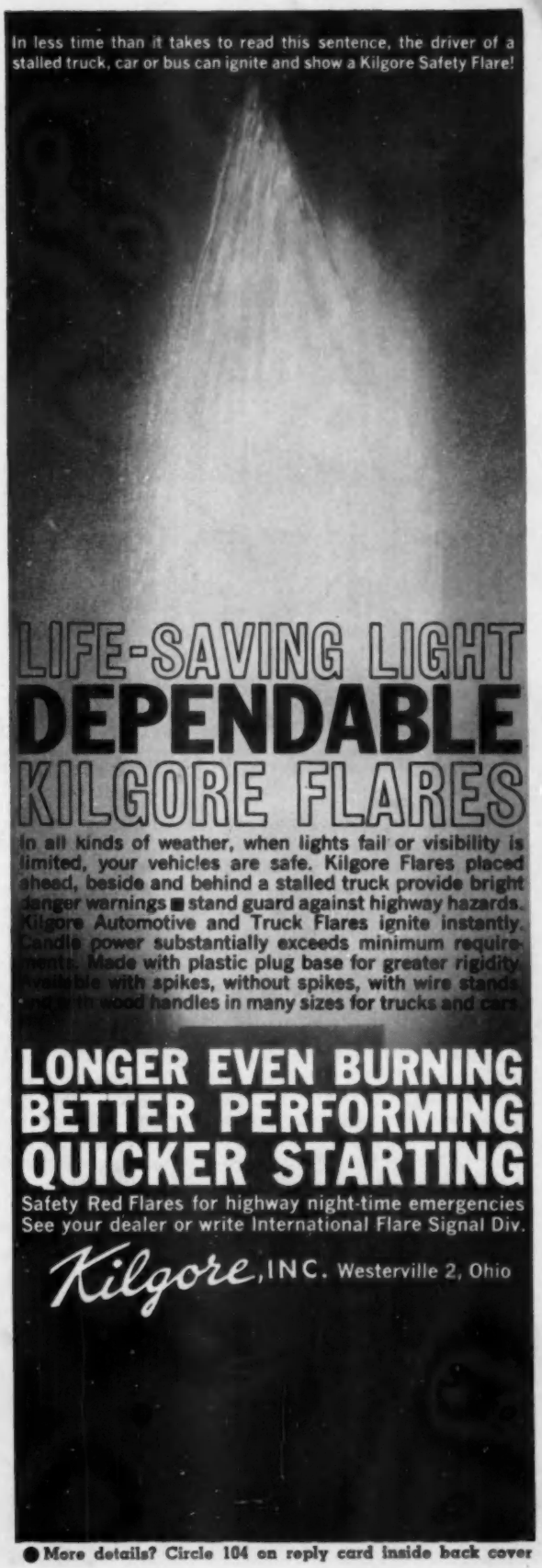

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THE BIG NEWS IN TRUCK BODY REPAIR

This remarkable new hand tool and inexpensive **"POP"** *rivets now distributed by* **MARSON** *replaces* **SPOT WELDS — BOLTS AND NUTS — SHEET METAL SCREWS.**

Developed originally for use in the aircraft industry, "POP" rivets are a completely new approach to many standard truck body repair jobs. They enable any mechanic or body man—operating from one side of the job only, without access to the other side—to fasten a wide range of metal thicknesses by means of a simple hand tool which operates like a pair of pliers. The clinching action of the rivets exerts as high as 600 lbs. squeeze between parts and results in vibration-proof fastening.

Fleet owners have found "POP" rivets almost indispensable. New applications are being uncovered almost daily. Experience has shown that "POP" rivets not only offer tremendous time savings (50% and more), but that in all cases, they hold better than the methods they have replaced. In addition "POP" rivets eliminate damage from fire, gas tank explosions, paint blistering, metal buckling, and broken glass. "POP" rivets are available in aluminum, steel, or monel in all diameters from 3/32" to 3/16" . . . will fasten materials from 1/50" to ⅝" in thickness. Here are just a few examples of what your company can do with "POP" rivets.

UNITED "POP" RIVETS

DISTRIBUTED BY

Marson CORPORATION

REVERE 51, MASS.

Write for free **SAMPLE RIVET KIT,** *illustrated shop manual and name of your nearest* **"POP"** *rivet jobber.*

FASTENING RADIATOR GRILLE

JOINING FLANGE TO DOOR

SETTING HEADLIGHT RETAINER BRACKETS

E D I T O R I A L C O M M E N T

What IS a Truck Accident?

HALF OF this page was ready for the shop the day Bill Mazeroski fired his homer heard 'round the world. The World Series was over. Less spectacular but even more important was the final homer in the current "Reg Ball" series. It was in the form of revised lighting regulations from the Interstate Commerce Commission (See page 362, this issue).

The big difference: Mazeroski's homer made one team happy. The new regs made all three teams happy—ICC, the fleet operators and the manufacturers. Now the job is to buckle down to orderly and complete compliance.

Meanwhile ICC statisticians have been busy with an ugly job. Number of accidents *involving* trucks was up 4 per cent in the first four months. Deaths in accidents *involving* trucks were up the same amount. Deaths in accidents *involving* buses were up 18 per cent.

The ICC report parallels the recent crackdowns (mentioned here in recent months) by the New Jersey and Pennsylvania state police. Accidents *involving* trucks are increasing.

The whole picture sounds bad. And it is. But the key word is "involving." Closely related is the word "exposure." Both should be in the picture but are not.

Consider this true story of a frightful accident near here just the other day. A passenger car was passing two tractor trailers on a narrow two-lane road. A third truck appeared from the opposite direction. The trapped passenger car driver elected the awful option of hitting his *left* ditch. The approaching truck driver correctly headed for his *right* ditch. They met head on.

Next morning the newspapers screamed: "Truck Accident Kills Two!" The truth behind the story doesn't make it any prettier. But was it a truck accident or a passenger car accident? The ICC record will show a truck was *involved* in two more deaths.

The 1960 Accident Data Report by The Travelers Insurance Companies has some interesting comments on just what this means in terms of exposure. It goes something like this. The nation's 11.8 million commercial vehicles roll up approximately the same number of miles every year that the 56.8 million passenger cars do.

Since the exposure rate is about the same, you might expect the accident involvement rate to be the same. But guess again. For passenger cars, it's 87.1 per cent. For all commercial vehicles, it's 11.1 per cent. These are 1959 figures. (For math experts, the missing 1.8 per cent is credited to "other vehicles.")

That's a truly remarkable record. Think how much more realistic it would be if enforcement officials would consider both exposure and involvement in directing the emphasis of their crackdowns.

But don't ever forget how much better it would be if all truck drivers were brought up to the level of the good ones.

* * * *

Tossing a bouquet. As we finished up the tremendous job of checking each of the many thousands of listings in this Directory issue, we discovered that about 80 per cent of the job was done by our distaff side. Patting the ladies can be tricky business. But it is a job too often overlooked. Perhaps we just better say: Thanks for a job well done—to all 20 of them.

Bart Rawson
Editor

What does **Performability** *mean to your fleet operation?*

Your own fleet operation will show real savings and run far smoother with the '61 Lark. Already fleet proven in wide use, The Lark with new improvements and advances has Performability—and here's how you benefit:

Even greater Economy! The all-new Skybolt Six engine, of valve-in-head design and 112 HP, has already shown 17% greater gasoline mileage than Larks used in more than 1000 fleets last year . . . pre-tested and proven in the field by the largest "blue chip" fleet operators!

Even greater Performance! Acceleration your drivers want—10% better at low speeds, 18% better at middle speeds, 35% better at high cruising speeds for safe passing.

Even greater Driver Comfort and Safety! A new recirculating ball steering system and new front suspension make steering 30% easier. Also new for '61—handsome safety-padded dash—increased legroom—smart low-silhouette body styling—increased visibility—oversize bonded brakes! And still those wonderful flat floors, high headroom, big seats, matchless roadability.

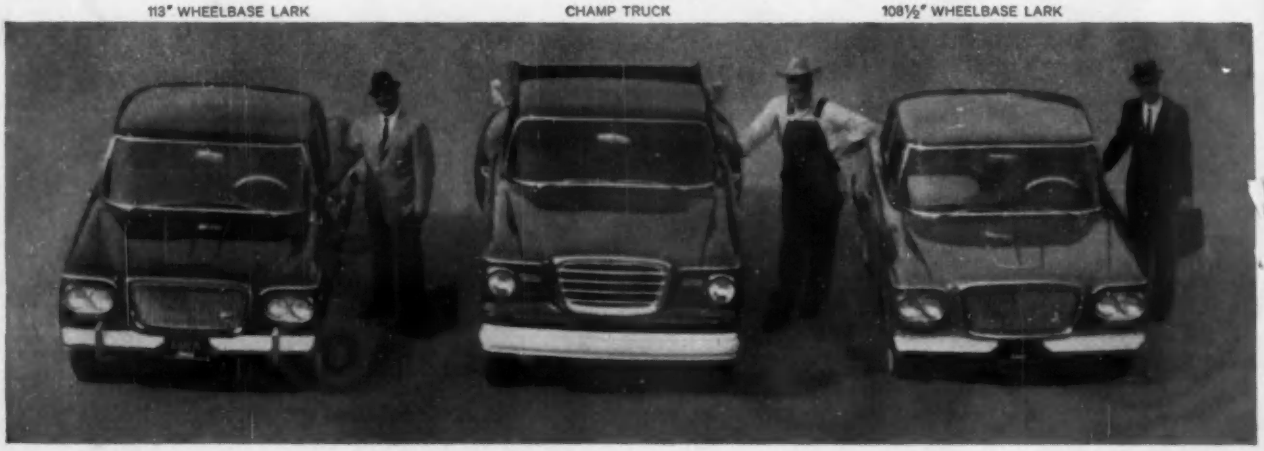
Even greater Maintenance Savings! Fleet records already show The Lark saves ⅓ on maintenance, compared to other cars. But this year new brakes, new larger clutch (for the Skybolt Six) and several servicing improvements (such as a counterbalanced hood) will save you even more.

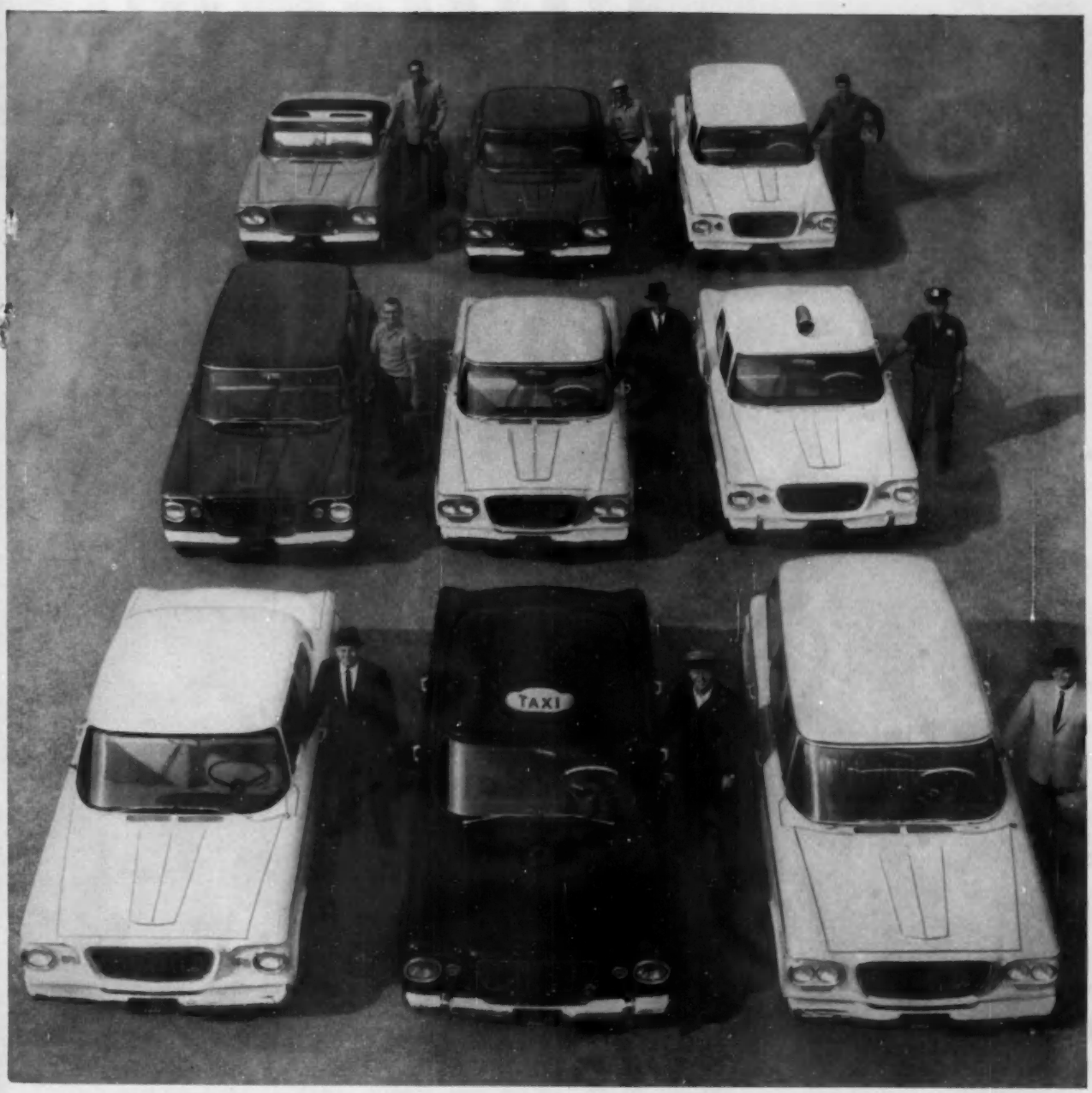
The Sum Total of 2000 engineering and design improvements, perfected and coordinated, give the '61 Lark unique response, economy, durability. That's '61 Lark PERFORMABILITY. You have to drive it to believe it!

NO CLAIMS, NO GUESSES—THESE ARE THE FACTS

Actual field tests by commercial and government fleets show uniform satisfaction—"Excellent acceleration from standing start, good passing performance"..."Good hill climbing"..."Excellent maneuverability and directional stability"..."Exceptionally good (steering) response and light touch"..."Good clutch and brake action"..."Better roadability than any car I have ever used." Certified by United States Testing Company.

113" WHEELBASE LARK — CHAMP TRUCK — 108½" WHEELBASE LARK





YOUR WIDEST CHOICE—A SUPERIOR-PERFORMING FLEET VEHICLE FOR EVERY FLEET NEED!

The new

'61 LARK'

by Studebaker

Performability

you have to drive it to believe it!

LET US SEND YOU THE FACTS!

Fleet Sales Division, Studebaker-Packard Corp., South Bend 27, Indiana

☐ Send us informative literature only
☐ Have a factory representative call me for an appointment

NAME _____
PLEASE PRINT
TITLE _____
COMPANY _____
ADDRESS _____

CCJ 11-60-F1

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MALLET TEST DISPROVES "SHOCKMOUNTING" METHOD

ICC
LIGHTING
REGULATIONS
(REVISED)
TO BE ENFORCED
JULY 1, 1961
WRITE FOR
COMPLETE DETAILS

See for yourself that bulbs used in time-tested and proven mountings *actually outlast "shockmounted" bulbs* EVERY TIME!

Before you buy another truck light, try the Arrow Mallet Test yourself! See the amazing side-by-side results. And, get your copy of the new booklet "A Short Course in Bulb Failure". Ask your Jobber or simply attach this page to your letterhead. The proof will arrive pronto!

ARROW
DESIGNS WITH THE FLEET IN MIND

GEORGETOWN,
DELAWARE

Chevrolet Parking-Brake Adjustment

Replace Spark Plugs in Sets

Bus News from Transit Meeting

TorqueFlite "6" Transmissions

International Camshaft Timing Gear

New Spec Sheet for Fleets

Mack Cylinder-Head Torque

Comet Valve-Lash Adjustment

Don't Forget the Condenser

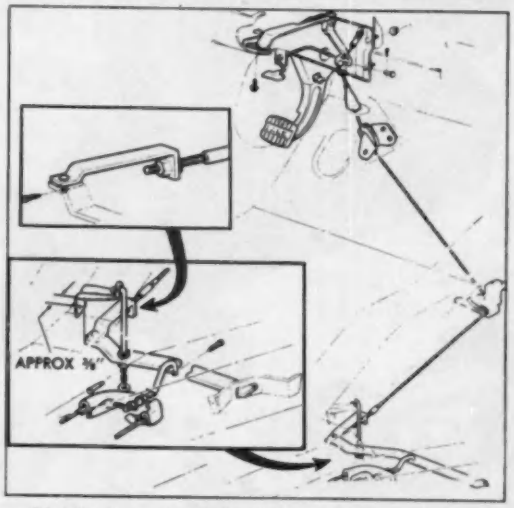
AT YOUR SERVICE

TIMELY NOTES ON TRUCK, BUS, PASSENGER CAR FLEET MAINTENANCE and OPERATION
briefed by ED SHEA, Technical Editor

Chevrolet Parking-Brake Adjustment

BRAKE DRAG, when parking brake is released, may be due to improper parking-brake adjustment. The following adjustment procedure is recommended for 1960 Chevrolet passenger cars:

With rear wheels clear of shop floor and parking-brake handle fully released, check adjusted length of parking-brake front cable. When cable is pulled taut at the idle lever, rear edge of idle lever should be about 3/8 in. rearward from rear edge of idle-lever frame bracket (as shown).



If idle lever isn't in this position, adjust the jam nut at the idle-lever swivel to change effective length of front cable. Lubricate the equalizer-cable groove and depress parking-brake pedal six notches from fully-released position. Adjust equalizer positioning nuts to obtain a slight brake drag at each rear wheel. Finally, release hand brake and check both rear wheels to be sure they completely are free of brake drag.

Replace Spark Plugs in Sets

MIXED SALADS are fine, but mixed spark plugs may provide a serious case of engine indigestion. These words of caution come from Champion Spark Plug Co. Its field investigations show that some mechanics, when correcting spark plug misfiring, frequently change only one spark plug to correct the trouble.

While this practice may temporarily restore performance, it is not recommended for the following reasons:

Uneven spark plug gaps may result in rough idle.

Mixing plugs may result in uneven power distribution from the cylinder.

Other plugs may be wasting gas and power.

Low voltage requirement at the new plug may rob voltage from the other plugs—especially if a carbonized path in the distributor cap allows voltage to track from one insert to another.

Play it safe when it comes to replacing spark plugs. Replace all plugs for maximum performance.

Bus News from Transit Meeting

BUSMEN ATTENDING the annual convention of American Transit Assn. in Philadelphia last month extolled the virtues of the new General Motors transit coach, then proceeded to rake it over the coals. On hand to accept both bouquets and brickbats, and to make well chosen comments of his own, was GM Coach Engineer W. P. Strong.

Net consensus: the new model is good; is doing the job it is designed to do. This includes attracting new customers in substantial numbers. There are also some bugs. Among them:

Windshield glare—correctable with darker tones in front end.

Road dirt on sides and windows—correctable with new rubber fenders mounted inside wheel openings.

Front end sway—correctable with improvements in sway bar.

Diode trouble in oil-cooled generator—correctable with new non-magnetic type.

Voltage regulator failures—correctable with new printed circuit.

(TURN TO PAGE 12, PLEASE)

More details? Circle 107 on reply card inside back cover

These top-quality enable you to do

ONE CALL GETS ALL
your brake service needs from one source—your Distributor of Wagner Products.

LOCKHEED BRAKE PARTS, FLUID, BRAKE LINING and LINED BRAKE SHOES • AIR HORNS • AIR BRAKES • TACHOGRAPHS

hydraulic brake parts better, faster repair jobs

Wagner® Lockheed
HYDRAULIC BRAKE PARTS
are made to original equipment standards

You'll feel safer, surer of the performance of trucks having hydraulic brakes – if Wagner Lockheed Hydraulic Brake Replacement Parts are used to restore original braking efficiency. And, you'll save time and money because these parts fit right and function right.

Wagner Lockheed Hydraulic Brake cylinders, cups, boots, pistons, springs, washers and hose—marketed as repair and replacement parts – are manufactured to the same specifications, by the same machinery in Wagner plants, as Wagner parts used in complete assemblies for original equipment.

Another time-saving factor important to you is that the Wagner Lockheed line of hydraulic brake parts is the most complete on the market. It includes hard-to-find numbers not easily obtainable elsewhere. Every make and model vehicle is covered. Parts are obtainable individually or in factory sealed kits. Cylinders are supplied in complete assemblies, or parts may be purchased separately.

POWER BRAKE REPAIR KITS for cars and trucks equipped with power brakes are part of the Wagner line. As acknowledged leaders in the field, Wagner is first with a complete line of power brake repair kits which include a "HOW-TO-DO-IT" Installation Instruction Sheet in each package.

These quality products are available from your regular supplier of Wagner Lockheed Brake Parts, Brake Fluid, and Brake Lining. Ask him for details, —or mail the coupon for a FREE copy of AU-500.

AND REMEMBER when ordering air brakes specify WAGNER LOCKHEED AIR BRAKES—the system with the rotary compressor.

ELECTRIC MOTORS • TRANSFORMERS • INDUSTRIAL BRAKES

Wagner Electric Corporation
6470 PLYMOUTH AVENUE, ST. LOUIS 33, MO., U.S.A.
(Branches in principal cities in U.S. and in Canada)

Please mail us a FREE copy of Catalog AU-500 on the Wagner line of Hydraulic Brake Products.

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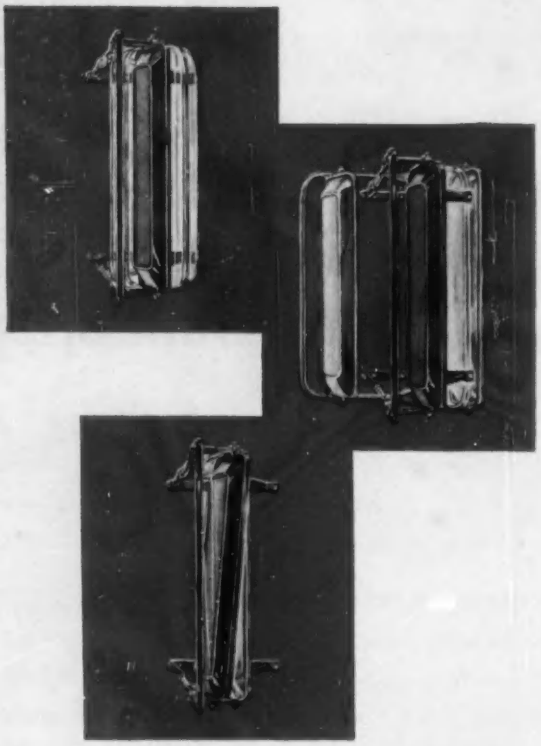
SWING-AWAY PLUS



complete flexibility

Arrow's Swing-Away mirror tilts, turns and swings into an infinite variety of adjustments—*and then stays where you set it!* Its cadmium-plated hardware can't rust assuring easy, manual adjustment even after years of service.

Arrow's Swing-Away is always flexible but never loose—tough seamless tubing resists bends and cuts vibration. Its deep drawn head eliminates fogging and cushions shocks. Quarter-inch plate glass with copper-sealed silvering provides a lifetime mirror that is distortion-free and won't discolor or tarnish.

Expensive? Ask your Arrow jobber. You'll be surprised how little it costs to get everything you've ever wanted in a mirror. Complete details can be obtained by writing to Arrow Safety Device Co., Georgetown, Del.

ARROW

DESIGNS WITH THE FLEET IN MIND

AT YOUR SERVICE

Continued from Page 9

Wrinkles in rear quarter panel and near center door—correctable with hi-tensile steel plates.

Dirt on inside caused by high volume of air in heater and air-conditioning system—still a major problem for some operators.

Road dirt on air suspension bellows—requires careful maintenance; must be kept clean at considerable expense.

"Picayune problems" such as switches, sending units, windshield wipers. These have caused early users more problems than major items; are being gradually corrected.

One operator reported 43,000 miles on brakes. He thought it was bad; some others thought it good. Another reported as low as 20,000 miles on rear wheel brakes, put the blame on the new type of shoe used. Others blamed the brake return spring, said the heavier spring used on older GM coaches improve lining life.

There were also tire wear complaints, some operators reporting as low as 60-80,000 miles on rear wheels.

At the same meeting, busmen heard O. B. Tuggle, vice-president of Flxible Co., outline features of his company's new transit model. Among highlights—an in-line GM 6-71 mounted lengthwise in rear, driving through Spicer converter and standard rear end. No V-drive. Questions and comments brought out the fact that the model is still experimental, subject to revisions in production models.

Later the group swapped experiences with older Flxible and Twin Coach models. Several busmen gave glowing reports on the air suspension kits for Twin Coach front axles. It supplements front springs (with half the leaves removed), gives a far superior ride and virtually eliminates front spring breakage.

Finally, former Association President Roswell Thoma of Niagara Frontier in Buffalo rang down the curtain with the blunt statement that he still wasn't satisfied. His company is about to start building its own buses. After two years, perhaps one a week to take care of normal replacements.

TorqueFlite "6" Transmissions

RECENT Chrysler Corp. bulletins give new oil-level recommendations for 1960 Plymouths, Valiants and Dodge Darts with Torque-

(TURN TO PAGE 16, PLEASE)

OUT OUR WAY **By J. R. Williams**

BONUS RECAPS ADDED TO LONG ORIGINAL MILEAGE

Lee Super DeLuxe Highway Nylons Bottom-Out Your Tire Costs

A careful record of tire costs compared to mileage figures will convince any operator of the wisdom of standardizing on Lee Super DeLuxe Highway Nylons. For these rugged truck tires serve you better three ways: extra original mileage, multiple recaps, and less chance of costly downtime due to damaged tires.

Super-Tensile Nylon—made by an exclusive Lee process—is the toughest cord ever used in a truck tire. It offers tremendous protection against impact bruises, blowouts and moisture damage, so that with Lee Super DeLuxe Nylons, delays in schedule due to tire injury are practically eliminated.

The natural rubber tread of special Lee design adds to extra mileage two important factors: unexcelled traction and cooler running on the road.

Equip your units with Lee Super DeLuxe Highway Nylons, tubed or tubeless. It's your best assurance of greater mileage and more recaps. And when it's time to retread, be sure to specify Lee Premium Double-Life Tread Rubber for maximum recap mileage.

Shown is the Lee Super DeLuxe Highway Nylon. Whatever your truck tire needs, there's a Lee that's *right* for the job.

FREE! Antique Auto "Coffee Break" Mug

I would like one of your free gift coffee break mugs and information on Lee Truck Tires.

(Tear out and attach to your letterhead)

CCJ

LEE RUBBER & TIRE CORPORATION LEE TIRES **CONSHOHOCKEN, PA.**

Takin Bros. Specifies Unison-Action Seats in New GMC Trucks at No Cost Option

With the purchase of 11 new GMC DF 7005's, Takin Bros. Freight Lines, Inc., of Waterloo, Iowa, now operates 60 road tractors, 41 of which are equipped with Unison-Action Seats.

"We have used extra-feature seats in the past, but none have proved as successful as Unison-Action Seats. And the fact that we could specify Unison-Action premium Seats at 'no cost option' was just like finding money. These seats certainly have contributed to the comfort, safety and security of our drivers . . . they are 100% sold on them.

"Charles Toland, our maintenance superintendent, reports that the rugged Unison-Action construction has given trouble-free service after more than 100,000 miles. This reflects considerable savings — no down-time — no parts to replace. With such money-saving advantages, we definitely will specify Unison-Action Seats in all new equipment — both over-the-road tractors and city delivery trucks."

Frank Wirtz, President
Takin Bros. Freight Lines, Inc.

Charles Toland, maintenance superintendent, and Frank Wirtz, president, taking a look at new Unison-Action Seat in new GMC truck.

We invite your inquiries

UNISON-ACTION SEAT DIVISION

AMERICAN METAL PRODUCTS COMPANY

5991 LINSDALE amp® DETROIT 4, MICHIGAN

Specify for any truck

● More details? Circle 111 on reply card inside back cover

BUTYL INNER TUBES

Insure full tire mileage and less down time!

Installing Butyl inner tubes throughout your fleet will show you quickly that they get you more tire mileage!

That's because they hold air as much as 8 times better than natural rubber...go far to eliminate heat-producing, wear-producing soft tires. Casings stay sound longer, too—take more retreads.

Truckers find it economical to install a new Butyl tube with every new tire. The increased casing life and extra mileage more than offset the slight extra cost.

Want more information? Contact your supplier or the nearest Enjay office: *Home Office:* 15 West 51st St., New York 19, N. Y. *Other Offices:* Akron • Boston Charlotte • Chicago • Detroit Houston • Los Angeles • New Orleans • Plainfield, N.J. • Tulsa

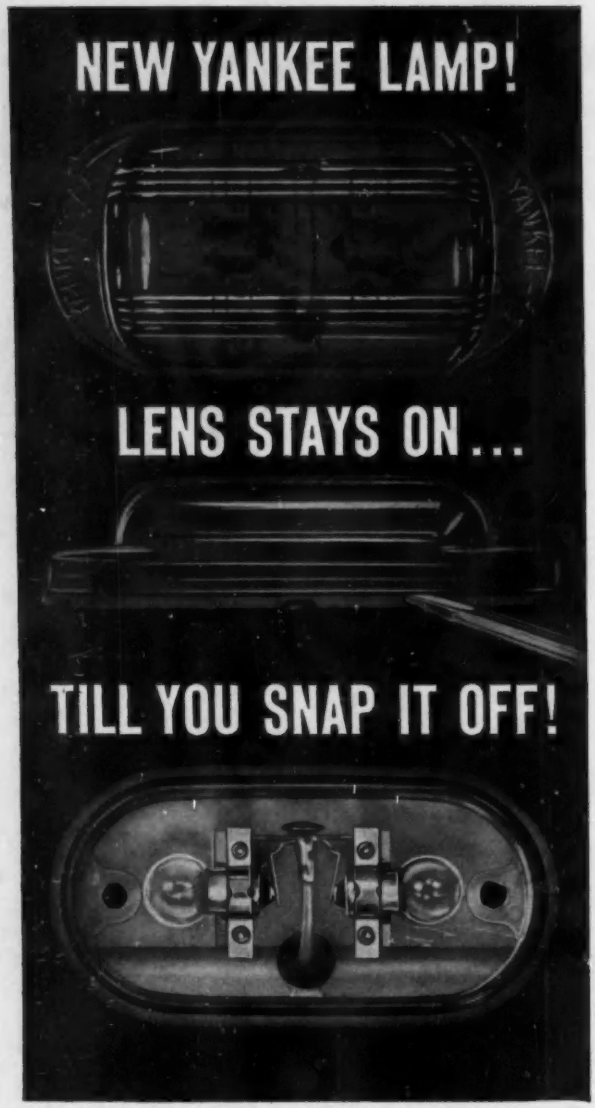
ENJAY BUTYL

EXCITING NEW PRODUCTS THROUGH PETRO-CHEMISTRY

ENJAY CHEMICAL COMPANY

A DIVISION OF HUMBLE OIL & REFINING COMPANY

 ● More details? Circle 112 on reply card inside back cover



WITH YANKEE'S NEW flush-mounting No. 79 Clearance Lamp, you change bulbs without removing screws to save replacement time. A simple twist with a screwdriver releases the plastic lens from its exclusive *non-rolling* retaining ring. The lens snaps back on—will *not* vibrate off! The new 79's rustproof die-cast housing has a rubber grommet to prevent wire chafe, and its two bulbs operate independently (one stays lighted if the other burns out) for added protection on the road. The YANKEE 79 meets *new* S.A.E. requirements and is approved in all states where required. See it today at your YANKEE Distributor or write for a free catalog sheet.

All Yankee Products Are Unconditionally Guaranteed

Lamps, Mirrors and Signals

YANKEE®

For Cars and Trucks

YANKEE METAL PRODUCTS CORPORATION
NORWALK, CONNECTICUT • TORONTO CANADA

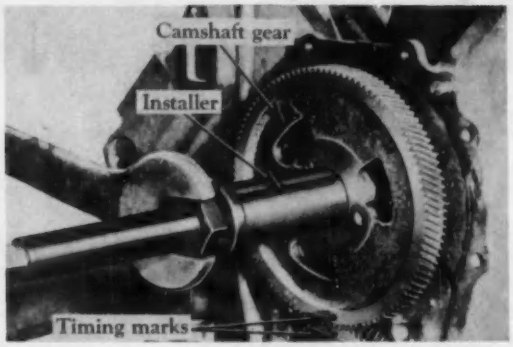
Continued from Page 12

Flite "6" transmissions. The new level should be maintained to insure adequate lubrication in all types of operation. Recommendations are as follows:

1. When the engine is *cold*, transmission-oil level should be at the "Full" mark.
2. When engine is *hot* (at normal operating temperature), transmission-oil level should be between the "Full" mark and 5/8 in. *above* the "Full" mark.

International Camshaft Timing Gear

CARE must be taken to avoid damage to the threaded end of the camshaft when installing the camshaft timing gear on IHC Model Nos. V-401, 461 and 549 engines, according to the maker. IHC says no attempt should be made to use the camshaft nut to force the timing gear on the camshaft. Before assembling the camshaft timing gear on the camshaft, heat the gear in boiling water to expand the gear hub. This permits the gear to move more freely onto the camshaft. Another method is to apply a mixture of white lead and engine oil to the bore of the gear and to the mounting surface on the camshaft.



Since the gear may still become tight during installation on the camshaft, it is necessary to use gear, pulley and flange installer set No. SE-1900 as shown. Be sure the index timing marks on crankshaft and camshaft timing gears are aligned as shown.

New Spec Sheet for Fleets

TO SAVE YOU TIME in the shop and trouble on the road, Standard Motor Products Inc. is offering fleetmen its new individual vehicle specification sheets. The 8½ x 11 in.

(TURN TO PAGE 24, PLEASE)

Built to Fit Your Truck Needs...

"Better Built" Efficient Top Value

New MINIVAN® Compact—Light-duty delivery body

Boyertown Delivery Truck Bodies

Model MH Merchandiser®

The Most Complete Line of Truck Body Models and Sizes to Meet Your Particular Delivery Needs!

Body Model		Chassis	Cu. Ft. Cap.	L.	W.	H. At Sides
S-6	Step In	Chassis	184	78"	66"	62"
S-7		with	213	90"	66"	62"
S8-L		Cowl	272	96"	74"	66"
DS-6	Milk Delivery	of	—	78"	66"	62"
DS-7		Your	—	90"	66"	62"
DS8-L		Choice	—	96"	74"	66"
M-6	Mini-van®		184	78"	66"	62"
M-7			213	90"	66"	62"
M8-L	Merchandiser®	Forward	272	96"	74"	66"
M8-H		Control	296	96"	74"	72"
M10-H		Chassis	370	120"	74"	72"
M12-H		of	444	144"	74"	72"
MV-12	Merchantvan®	Your	575	144"	88½"	78"
MV-14		Choice	671	168"	88½"	78"
MV-16			767	192"	88½"	78"
MV-18			862	216"	88½"	78"

Boyertown's complete line of truck bodies, available with 6′ to 18′ long loadspace lengths, includes the model you need for your particular delivery or mobile service.

In 88 years' experience and craftsmanship, Boyertown has designed and built delivery bodies for every type of business, large and small—commercial and industrial—to meet the most diversified and exacting requirements.

Boyertown truck bodies are "better built" of all High Strength Alloy Steel providing more strength, having less weight and greater resistance to corrosion, having longer life, means top value equipment.

Service proven body features recognized by individual and fleet owners alike meet the 3-way test of value conscious Buyers, discriminating Drivers and efficient Maintenance men.

The availability of Chassis of your choice and expanding production facilities permit fast delivery to you.

Whether you buy or lease the truck bodies for your operation—one truck or a fleet of 100—contact your Boyertown Sales Engineer who will gladly assist you in selecting the "better built" body that will serve your needs best!

Model "S" Step In Delivery Body

BOYERTOWN AUTO BODY WORKS, Inc.
BOYERTOWN, PENNA

Phone Boyertown FOrest 7-2146 • TWX Boyertown Pa. 59

GOODYEAR

Here's the biggest difference in the business---

More Nonskid Tread Depth By Far – fully 60% more than conventional tires – makes the Hi-Miler Cross-Rib the best buy in the business. More tread depth means more mileage–and more traction, too. Hundreds of deep-cut gripping edges guard against traction loss. In addition, the rubber compounded with super toughening agents makes this a tire that's super-tough against wear and tear, tops in original tread mileage. Add to that a body made with rugged 3-T Process Nylon Cord – triple-tempered by Tension, Temperature, and Time – and you have the combination which produces the longest original tire life at lowest cost – and more recappability, too.

Here's proof of what this difference means to you

"Tire mileage up 50%!" says E. Brooke Matlack, Inc.

"Tire life improved almost 200%!" reports All States Freight Inc.

and here's how you can pocket the difference

Just contact your Goodyear Dealer. Buy or specify Cross-Ribs. Then sit back and watch them roll up the difference in dollars and cents. Once you do, we're sure you'll be back for more. Many of our customers have made Cross-Ribs a "must." Goodyear, Truck Tire Department, Akron 16, Ohio.

Lots of good things come from

GOOD

Hi-Miler–T. M. The Goodyear Tire & Rubber Company, Akron, Ohio

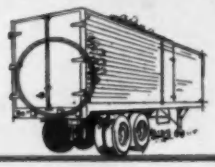
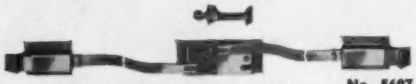
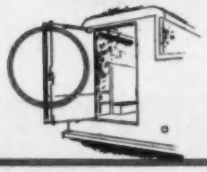
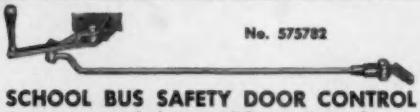
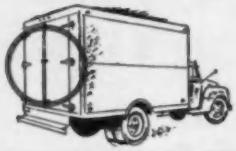
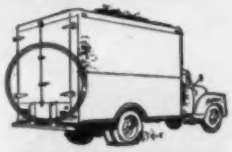
YEAR

MORE TONS ARE HAULED ON GOODYEAR TRUCK TIRES THAN ON ANY OTHER KIND

EberHARDWARE is the answer to most questions

pertaining to vehicle hardware selection

SOME EXAMPLES

THE QUESTION	THE SUGGESTION	A BETTER JOB WITH (E)
What lock does the job on a refrigeration or big van body? It must be lockable for cargo protection and husky.	**Modified EBER - "GRIP" - HARD Door Lock** No. 7-5625X Ruggedly built with all cast malleable parts. Leverage assures easy closing and frost seal breakage upon opening.	
Is there a heavy panel body door lock with a slam-lock action and key locking facility which can be unlocked from the inside?	 **"SLAMTITE" DOOR LOCK** No. 5607 A long time popular item, inexpensive with multiple operational features. Fool-proof action assures locking by driver.	
Can Eberhard offer anything in a School Bus door lock with added safety features?	 No. 575782 **SCHOOL BUS SAFETY DOOR CONTROL** Features a special plunger switch mounting pad for a step well light and front and rear flashers which operate when door is opened.	
Does Eberhard make a rust resistant, lightweight door hinge with sufficient strength for average jobs?	**A Permanent Mold ALUMINUM ALLOY** 356-T6 (Heat Treated) **HINGE** modern, streamlined design with desired weight saving feature without sacrifice of strength. No. AL-6	
What panel door locks can be used on latest design door construction which requires long clamp lugs?	No. 8-5628 **Modified "CLAMPTITE" DOOR LOCK** A favorite among all truck body builders for more than 20 years. Comes with padlock loop.	
Has Eberhard anything new in a flush type key locking compartment door lock?	**FLUSH PADDLE HANDLE LOCK** With exclusive slam-locking feature even after key withdrawal. Universal, right or left hand mounting. No. 4895	

IF ADDITIONAL INFORMATION ON THESE OR OTHER EBERHARD ITEMS IS DESIRED, PLEASE WRITE FOR THE CATALOG.

LONGRUN

TRUCK BODY HARDWARE BY

EBERHARD

THE MOST COMPLETE LINE AVAILABLE

EBERHARD MANUFACTURING COMPANY

EVARTS AVE. • CLEVELAND 4, OHIO

DIVISION OF THE EASTERN MALLEABLE IRON COMPANY

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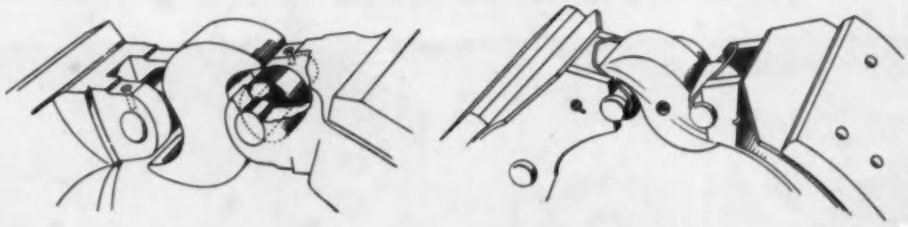
BRAKE MAINTENANCE TIPS FROM GREY-ROCK

BRAKE SHOE ROLLER CAM FOLLOWERS



CAST SHOE ROLLER CAM FOLLOWERS PRESSED SHOE ROLLER CAM FOLLOWERS

Oversize roller cam followers for use with oversize lining are furnished for both cast and pressed steel shoes. (Install when linings are about 50% worn.) Use ⅛" oversize rollers with standard lining and drums that have been worn or trued 1/32" oversize. Use ¼" oversize with X oversize lining, ½" oversize with XX oversize lining.

BRAKE DUST SHIELDS

Use them on vehicles operating over muddy or sandy terrain and for winter driving conditions. In hot climates and for regular city driving – where brakes heat up – leave them off. The recommended procedure is to install them for winter, remove them for summer.

ACTUATING SYSTEM PRESSURES

In order to achieve satisfactory brake performance for vacuum, air and hydraulic pressure systems, these minimum pressures are required in the actuating system:

Vacuum—19 in.
Hydraulic—1700 lb. sq. in.
Air—90 lb. at reservoir,
70 lb. at brake chamber

Note: Always take readings as close to brake assembly as possible.

BRAKE DRUMS

Many brake jobs turn out badly because new linings become contaminated from organic deposits left on the drum surface by the lining previously used or by particles of metal left in a turned drum. When installing linings, *every brake drum, new or old,* should be cleaned with fine sandpaper, then thoroughly washed with soap and water and rinsed clean.

OVERSIZE LININGS

During relining, it is often necessary to machine the drums, which in turn may require that oversize linings be installed. When linings are half worn, install oversize brake shoe roller cam followers to get the full amount of life from the linings.

Some of the newer pressed shoes have no roller retainer spring, the roller and axle being retained by the shape of the shoe end. Be careful not to damage the retaining lip. Check to be sure the roller rotates freely after installation.

REPLACING RIVETS WITH BOLTS IN LININGS

If bolts are to be used instead of rivets for 6" and 7" tapered blocks, ⅜" diameter bolts are strongly recommended. Neither 3/16" nor ¼" diameter bolts have sufficient strength. Order 4515AD blocks for the 7" x 16½" brake instead of 4515D, and 4514BD blocks for the 6" x 16½" brake instead of 4514D. Four holes in each shoe can be enlarged to accommodate ⅜" diameter bolts. Use lining as a template to determine which holes in the shoe should be enlarged. Thereafter, order proper blocks and use ⅜" diameter bolts.

• • •

Grey-Rock Balanced Trucksets and Balanced Brake Blocks complement efficient brake maintenance. They help give smooth, balanced braking at every wheel and from axle to axle – assure more thousands of miles between relines, fewer scored drums, less downtime –a lower operating cost-per-mile. For more facts on brake maintenance, ask your Grey-Rock jobber for Fleet Service Bulletin #36– or write Grey-Rock Division of Raybestos-Manhattan, Inc., Manheim, Pa.

Only **Grey-Rock**® *makes* **BALANCED BRAKE LININGS**

BALANCED BRAKSETS • TRUCKSETS • BRAKE BLOCKS • VEE-LOK® CLUTCH FACINGS • AUTOMATIC TRANSMISSION PARTS

You Can't Buy a Better Brake Lining to Save Your Life

● More details? Circle 117 on reply card inside back cover

ENGINEER'S FIELD REPORT

PRODUCT **RPM DELO OIL**

FIRM **FISH TRANSPORT CO. INC.**
New Bedford, Mass.

Just .004" liner wear in 270,000 miles with RPM DELO

In 6 years of using RPM DELO Oil, Fish Transport Co. has never had a road breakdown from lubricant failure. "Last year, when one of our Macks was down for periodic inspection, we found less than .001" wear on main bearings...only .004" on cylinder liners, although it had run 270,000 miles in two years," says fleet manager Bernard Finkle. "Since then this same truck has gone another 100,000 miles, and it's still going strong." Firm's fleet includes Internationals (above), Macks, GMC's, Autocars.

"Rushing perishable fish (left) to market in less than 7 hours, we can't risk breakdowns," says Mr. Finkle (right). "We've used RPM DELO exclusively for 6 years with excellent results. Not one of our 30 trucks has required major engine overhaul during this time." Fish Transport Co. specializes in overnight delivery to New York and Philadelphia from principal New England ports.

Why RPM DELO Oils reduce wear—prolong engine life

- Oil stays on engine parts—hot or cold, running or idle
- Anti-oxidant resists lacquer formation
- Detergent keeps parts clean
- Special compounds prevent corrosion of bearing metals
- Inhibitor resists crankcase foaming

For More Information about RPM DELO Oils or other petroleum products, or the name of your nearest distributor, write or call any of the companies listed below.

LUBRICATING OILS RPM DELO

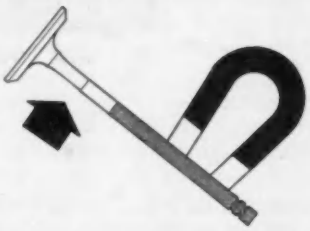
TRADEMARK "RPM DELO" AND CHEVRON DESIGN REG. U.S. PAT. OFF.

STANDARD OIL COMPANY OF CALIFORNIA, San Francisco 20
THE CALIFORNIA OIL COMPANY, Perth Amboy, New Jersey

STANDARD OIL COMPANY OF TEXAS, El Paso
THE CALIFORNIA COMPANY, Denver 1, Colorado

● More details? Circle 118 on reply card inside back cover

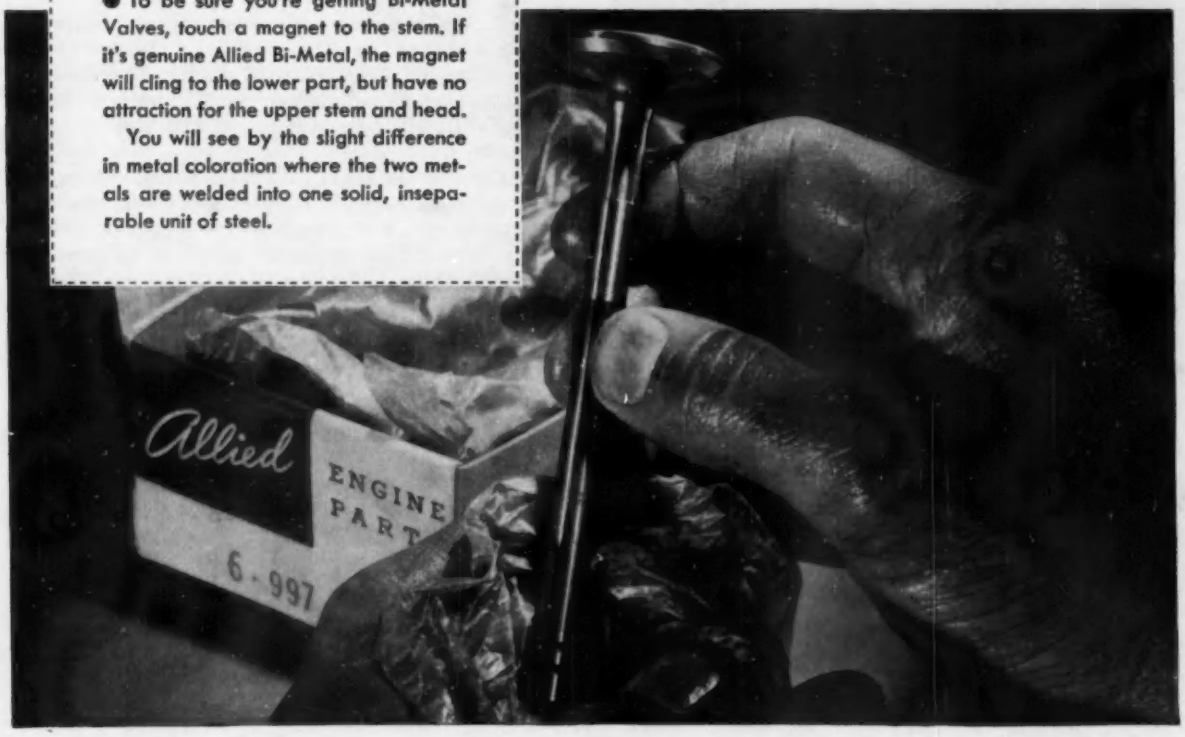
This simple test will tell you if you have Bi-Metal Valves



● To be sure you're getting Bi-Metal Valves, touch a magnet to the stem. If it's genuine Allied Bi-Metal, the magnet will cling to the lower part, but have no attraction for the upper stem and head.

You will see by the slight difference in metal coloration where the two metals are welded into one solid, inseparable unit of steel.

You need two metals in a valve!



● In most engines today, only a valve made of *two* metals can give you the service you want. It requires one steel alloy to withstand the extreme temperatures the head must take . . . another for the terrific pounding the stem must endure. That's why Allied Bi-Metal Valves have Austenitic steel in the heads, hardenable steel for the tip-hardened stems. Allied also offers full coverage for heavy duty applications requiring Stellite-faced valves and sodium filled valves.

Depend on your N·A·P·A Jobber for this exclusive service on Allied Valves and all related parts in the valve train.

NAPA Assurance of Quality

Allied
ENGINE & CHASSIS PARTS
"the complete coverage line"

ALLIED AUTOMOTIVE PARTS COMPANY • INDIANAPOLIS 7, IND.

● More details? Circle 119 on reply card inside back cover

South Wind PREHEATER

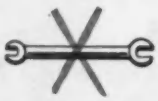
provides quick, easy starting in coldest weather!

● The South Wind Preheater gives you the most practical and inexpensive way to solve cold weather starting problems. It pre-heats the engine coolant rapidly and circulates it through the block to heat the engine for quick, easy starting. The Preheater automatically maintains the temperature of the engine coolant between 140° and 160°F.

With the South Wind Preheater, trucks can be stopped and parked anywhere with easy starting. Outdoor winter storage is practical even at extremely low temperatures. Construction equipment can be shut down at any time without regard to the ambient temperature. Stationary engines stay warm, ready for rapid starting when needed.

The South Wind Preheater can reduce your operating costs. Write today for complete information.

Check these features of South Wind Combustion Heaters:



Normally maintenance-free—parts and service are available nationally.

Automatic thermostatic control.

Economical to operate—maximum heat output at minimum cost.

Operates independently of the engine, but uses fuel and electrical power from the vehicle system.

Symbol of SW Excellence

South Wind DIVISION STEWART-WARNER CORPORATION

1514 Drover Street • Indianapolis 7, Indiana

Continued from Page 16

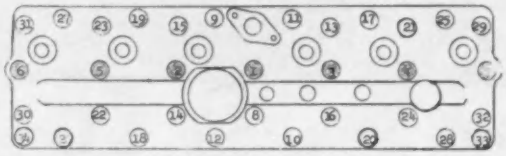
sheets are printed on heavy paper, have columns and headings for you to write in tune-up data and replacement part stock numbers for each individual vehicle in your fleet. It's so complete you can use it in your regular maintenance program and keep an extra copy in the vehicle for driver use if there is a breakdown on the road. It will help him to get the right parts quickly.

The form is simple, complete and easy to use —and could help you simplify your maintenance paper work. You can get a free supply by writing Standard Motor Products Inc., 37-18 Northern Blvd., Long Island City 1, N. Y. Use company stationery.

Mack Cylinder-Head Torque

NEW TORQUE settings are recommended by Mack for cylinder heads on its Model No. EN-291, 331, 377 and 401 engines. New figures are for reinstallation of head following engine repairs. The new stud-nut tightening procedures are as follows:

1. Torque all nuts to 50 lb ft.
2. Torque Nos. 1 through 7 (shown shaded in sketch) to 100 lb ft.



3. Torque all other nuts to 75 lb ft.
4. Repeat steps 2 and 3 as a check. This should be the final setting.

Note: Studs 33 and 34 shown here are used only on new Mack Model Nos. EN-401 (production and service) and EN-377 (service) cylinder blocks.

Comet Valve-Lash Adjustment

RECOMMENDED procedure for checking valve-lash adjustment on the 1960 Comet is as follows:

Remove valve cover and run engine until it reaches normal operating temperature. With engine idling, check valve clearance. Proper clearance for both intake and exhaust valves is .016 to .018 in. when hot. Use a step-feeler gage to adjust valve lash. In this case, .016-in. "go" and .018-in. "no go."

Don't Forget the Condenser

A DEFECTIVE CONDENSER can cause much trouble in the ignition system. The condition of the condenser can be determined with a fair degree of accuracy by carefully examining the breaker points which have worked with the condenser.

Wrong condenser capacity may cause pitted breaker points. Too large, or over capacity condenser, will cause a build-up of metal on the grounded contact point if the battery is negatively grounded. If the battery has the positive post grounded, the build-up will be on the moveable breaker contact.

Too small or under capacity condenser causes a build-up of metal on the arm contact if the battery has its negative post grounded. The build-up will be on the stationary point if positive battery post is grounded.

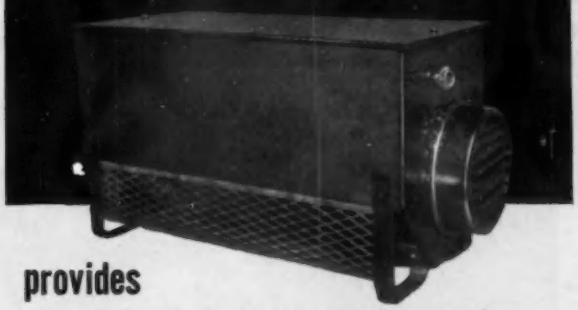
Briefly, over-capacity builds on the negative side, under capacity builds on the positive side of the breaker points. If there is no build-up on either point the condenser being used is presumed correct as to capacity.

High internal resistance may result in a condenser failing to take a proper charge, causing arcing and burning of the contacts. If internal insulation is poor, leakage can occur, causing breakdown of the condenser and complete ignition failure. An open or shorted condenser can prevent the ignition system from operating.

A condenser tester offers the best means of accurately checking the condition of a condenser.

"One three piece crankshaft gear puller—sign here."

South Wind
UNIVERSAL
INSTANT HEATER



provides complete passenger comfort and cargo protection in coldest weather!

● The new South Wind Universal Instant Heater provides the extra heating needed for almost any vehicle . . . safely, economically and efficiently.

This combustion-type air heater is so flexible that it can be installed easily in a wide variety of vehicles. It provides passenger comfort in station wagons, ambulances and crew trucks . . . protects perishable cargos in round-the-town delivery trucks and in cross-country vans and trucks.

Operating independently of the standard heating system, the Universal Heater delivers controlled hot air instantly with a turn of a knob.

Your vehicle heating problem can be solved by South Wind. Write today for complete information.

Check these features of South Wind Combustion Heaters:

Reaches peak capacity in seconds.

Fully guaranteed by Stewart-Warner, nationally known since 1938 for famous South Wind combustion-type automotive heaters.

SAFETY SEALED

Absolutely safe . . . sealed, stainless steel combustion chamber.

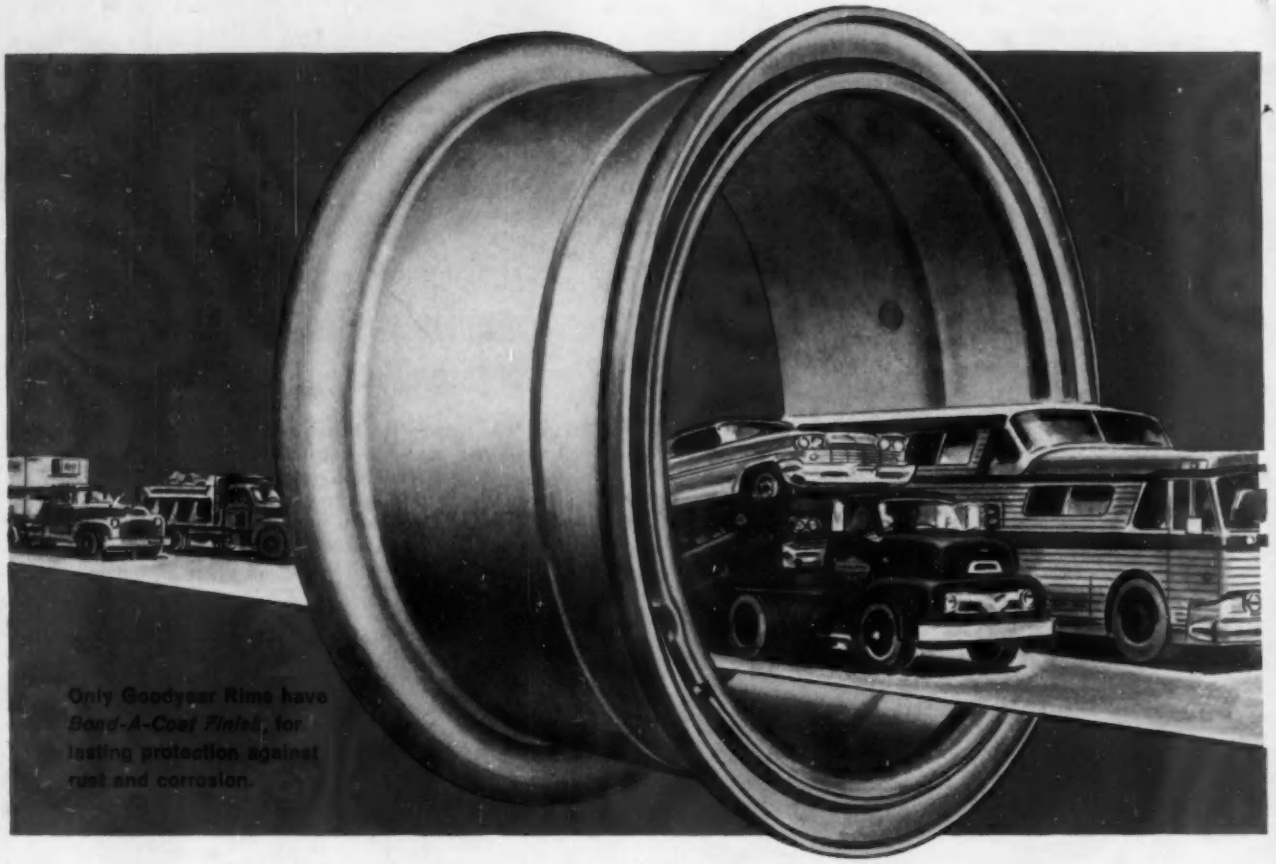
Simple operation . . . just one knob to operate the heater.

Symbol of SW Excellence

South Wind
DIVISION
STEWART-WARNER CORPORATION
1514 Drover Street • Indianapolis 7, Indiana

● More details? Circle 121 on reply card inside back cover

GOODYEAR Biggest Advance in



Here, from Goodyear, is the finest rim available for today's over-the-road driving needs.

Called the JOB-MASTER, this new rim gives you two important *firsts:* the first rim designed to fit *properly all* flat-bead tires – the first designed to seal out all foreign matter.

THE JOB-MASTER also provides these worthwhile and practical advantages:

FITS ALL TYPES OF WHEELS – adaptable to disc, cast and fabricated wheels.

LONGER RIM LIFE – seals out water, salt, grit, ashes, etc. (Corrosion and erosion reduced to absolute minimum.)

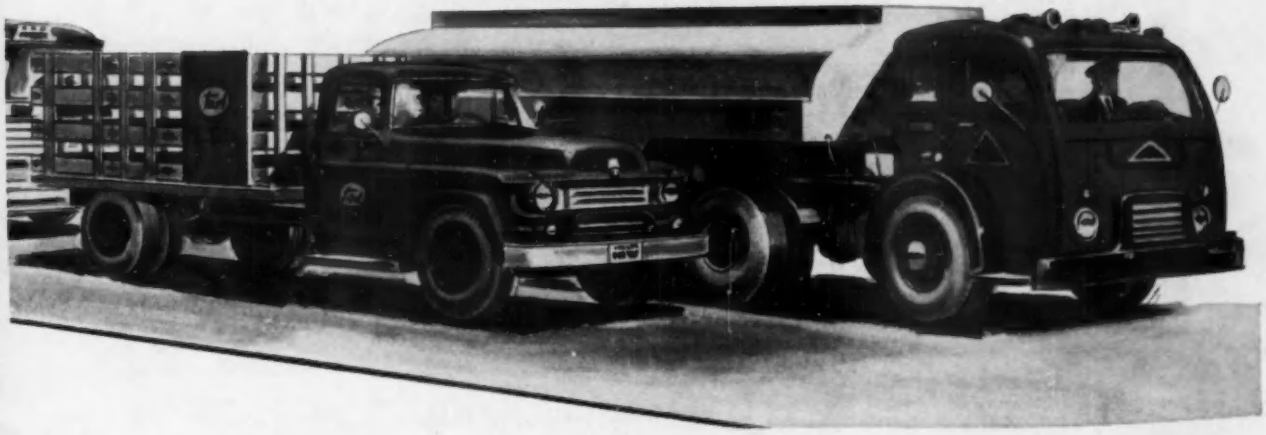
TRUER RUNNING PERFORMANCE–virtually eliminates those old tire foes, "wobble" and "hop"–lateral and radial runout.

Buy and specify RIMS by **GOOD**

Over-the-Road Rim Design in 15 years The New

Job-Master

by Goodyear



BETTER BALANCE AND ALIGNMENT—flange-and-bead seat are integral piece, insuring concentric fit under *both* beads.

LONGER UNINTERRUPTED SERVICE—lessens road delays, delivers more miles, lowers cost-per-mile.

Find out now how this long-awaited development can help solve and simplify your rim problems. For complete information, write the Goodyear Rim Sales Engineer. Address: Goodyear, Metal Products Division, Akron 16, Ohio, or get in touch with your local Goodyear Rim Distributor. Remember—lots of good things come from Goodyear.

Send for Free Goodyear Rim Catalog—
84 pages of facts and pictures on Goodyear's complete line of rims for every type of vehicle.

RIMS
GOODYEAR

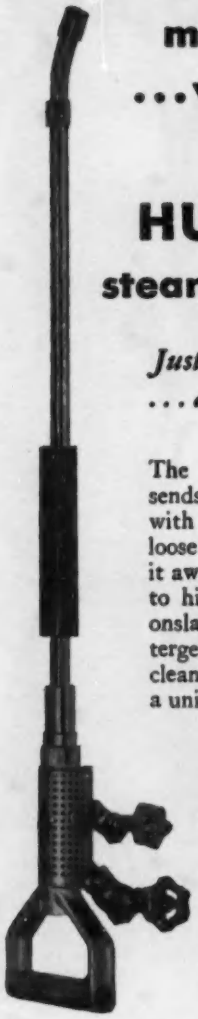
GOODYEAR

More tons are carried on Goodyear Rims than on any other kind

Job-Master—T. M. The Goodyear Tire & Rubber Company, Akron, Ohio

● More details? Circle 122 on reply card inside back cover

Power-clean motors, chassis ...with the new Oakite HURRICLEAN steam-detergent gun



Just aim at dirt ... and it's gone!

The new Oakite Hurriclean gun sends a jet-blast of steam charged with Oakite detergent, that rips loose the gummiest soil and floats it away. No groove is deep enough to hide dirt and grease from this onslaught of heat, pressure and detergent. It's heavy-duty mechanized cleaning...yet you've never handled a unit so safe, light and easy.

SAFE Steam travels in an inner, insulated tube. Outer tube conveys the cool detergent solution. Mixing takes place at the nozzle. This ingenious design keeps the gun always cool to the touch, always safe.

LIGHT The Oakite Hurriclean steam-detergent gun weighs a mere 6¼ pounds!

EASY A twist of the tube grip changes direction of the spray. No dragging and kinking of hose lines. Cleaning "from under" is a cinch.

Just try handling the remarkable Oakite Hurriclean Gun. Ask your local Oakite Technical Service Representative for a demonstration, or write for details to Oakite Products, Inc., 26D Rector Street, New York 6, N. Y.

OAKITE

over 50 Est. 1909 years' leadership in industrial cleaning

SCIENCE

Export Division Cable Address: Oakite

Technical Service Representatives in Principal Cities of U. S. and Canada

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NOVEMBER

14-16—American Petroleum Institute, Annual Meeting, Conrad Hilton Hotel, Chicago.

17-18—National Industrial Traffic League, Annual Meeting, Commodore Hotel, New York City.

20-23—National Defense Transportation Assn., Annual Meeting, Hotel Roosevelt, New Orleans, La.

27-Dec. 3—American Assn. of State Highway Officials, Annual Meeting, Sheraton-Cadillac Hotel, Detroit.

30-Dec 2—Associated General Contractors of South Dakota, Annual Convention, Marvin-Hughitt Hotel, Huron, S. D.

DECEMBER

1—National Committee for Motor Fleet Supervisor Training, Annual Meeting, ATA Building, Washington, D. C.

1-2—Professional Group on Vehicular Communications, Institute of Radio Engineers, National Conference, Sheraton Hotel, Philadelphia.

2-9—Automotive Electric Assn., Annual Meeting and Manufacturers & Distributors Conference, Edgewater Beach Hotel, Chicago.

4-5—Missouri Bus & Truck Assn., Annual Convention, Chase Hotel, St. Louis, Mo.

4-6—Associated General Contractors of North Dakota, Annual Convention, Hotel Plainsman, Williston, N. D.

5-8—Fleet Maintenance Exposition, Private Truck Council of America, The Coliseum, New York City.

6—Rhode Island Truck Owners Assn., Annual Fall Dinner, Sheraton-Biltmore Hotel, Providence, R. I.

6—Transportation Assn. of America, Institute, Atlanta, Ga.

6-7—American Trucking Assns. Operations Council, Steering Committee Meeting, Atlanta-Biltmore Hotel, Atlanta, Ga.

7—Nevada Motor Transport Assn., Annual Meeting, Reno, Nev.

7-9—Oregon Trucking Assn., Annual Convention, Sheraton Hotel, Portland, Ore.

8—Delaware Motor Transport Assn., Annual Meeting, Hotel duPont, Wilmington, Del.

15—Associated General Contractors of New Mexico, Annual Meeting, La Fonda Hotel, Santa Fe, N. M.

JANUARY

9-13—International Congress & Exposition of Automotive Engineering, Society of Automotive Engineers, Cobo Hall, Detroit.

9-13—Society of Automotive Engineers, Annual Meeting, Cobo Hall, Detroit.

25-26—American Trucking Assns. Executive Committee Meeting, ATA Building, Washington, D. C.

EATON PDR

PLANETARY
DOUBLE
REDUCTION
AXLES

SAVE WEIGHT
LAST LONGER
REDUCE MAINTENANCE

1 **FIRST REDUCTION** in bevel gears

2 **SECOND REDUCTION** in planetary gears

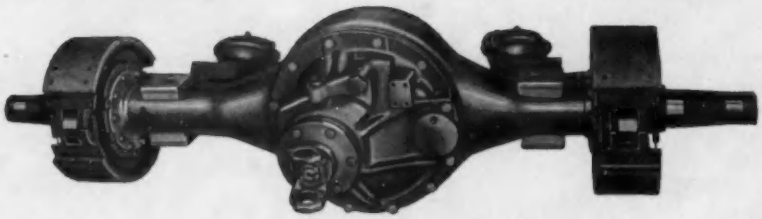
Eaton PDR Axles have established outstanding performance records in all types of heavy-duty operation. By actual comparison, they cost less to buy, less to maintain.

Ask your truck dealer for complete information about Eaton PDR Axles.

Because Eaton PDR Axles weigh less (size for size) than conventional herringbone or spur gear axles, PDR-equipped trucks haul more legal payload.

Two exclusive Eaton design features contribute to materially longer axle life: Gear tooth loads are distributed over four rugged "planet" gears, reducing stress and wear; the Eaton forced-flow lubricating system provides positive lubrication to all moving parts, even at slowest vehicle speeds.

Simple construction—similar to the famous Eaton 2-Speed Axle which is familiar to all truck servicemen—holds maintenance cost to a minimum. Repair parts are readily available—many of them interchangeable with other Eaton Axles.



EATON

More than
Two Million Eaton Axles
in Trucks Today

EATON — AXLE DIVISION — MANUFACTURING COMPANY
CLEVELAND 10, OHIO

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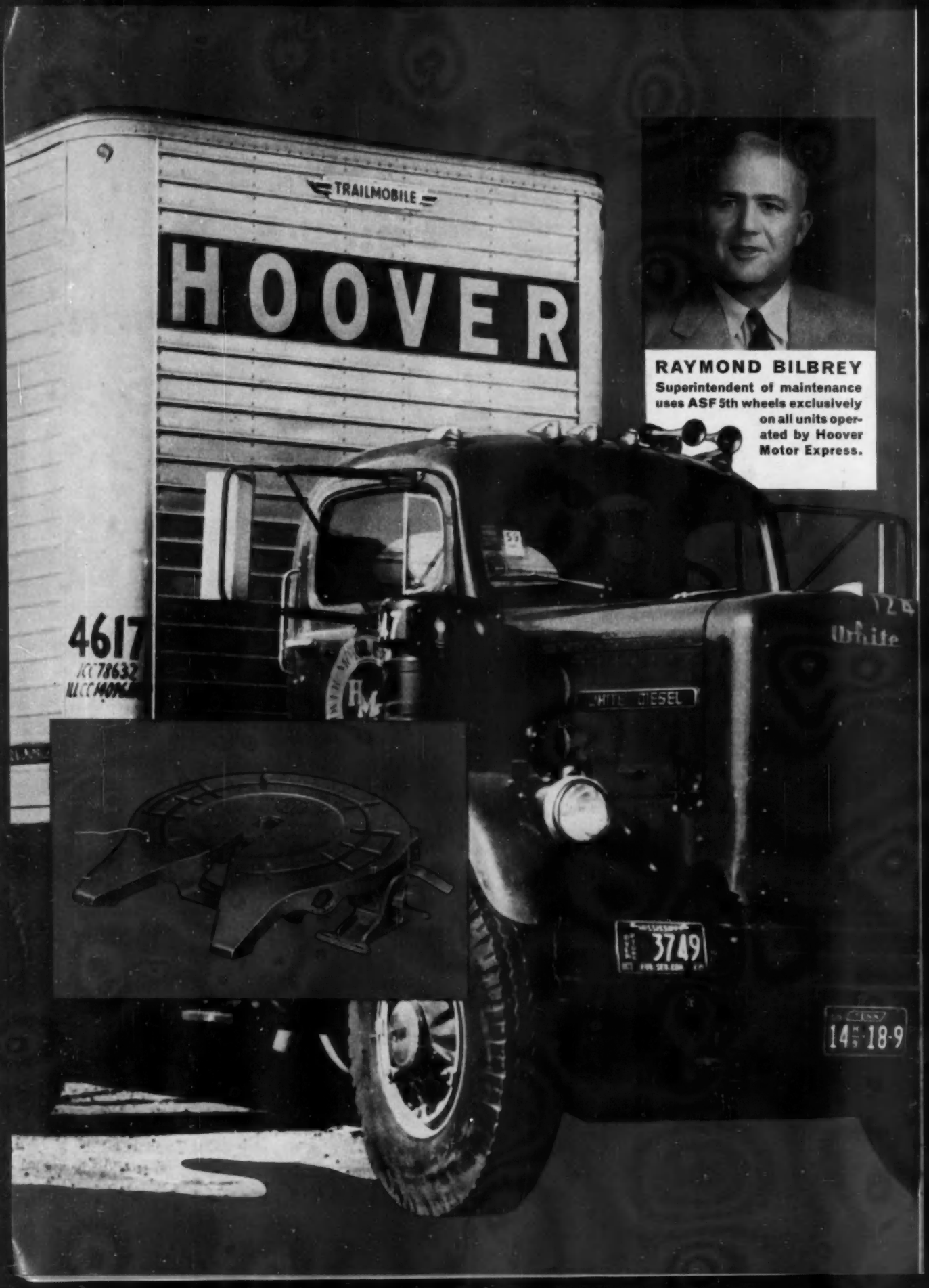


RAYMOND BILBREY
Superintendent of maintenance uses ASF 5th wheels exclusively on all units operated by Hoover Motor Express.

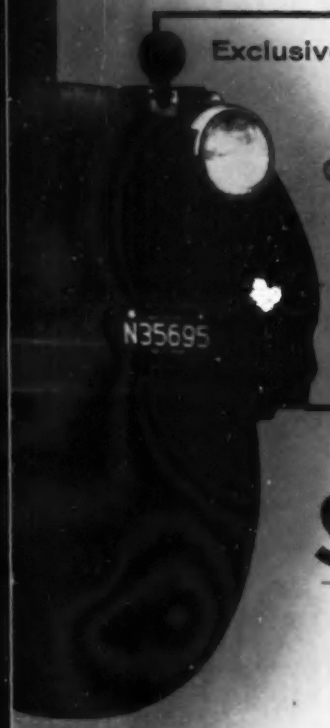
..."No upkeep costs in 70,500,000 miles on ASF Safety 5th Wheels...

The Safest, Most Dependable 5th Wheels Made!" Says Mr. Raymond Bilbrey, Supt. of Maintenance, Hoover Motor Express, Nashville, Tennessee

Hoover Motor Express operates 235 road units out of Nashville, Tennessee, all equipped with *ASF Safety 5th* Wheels! Average mileage per unit is 300,000 with never one cent in money nor one minute of time spent on adjustments or repairs, according to Mr. Raymond Bilbrey, Hoover's Superintendent of Maintenance.

"It is my opinion," says Mr. Bilbrey, "that these are the safest, most dependable 5th wheels made, as well as the most economical. They're the easiest coupling wheels I've ever used and, once properly coupled, there's no way they can come uncoupled. In all my experience, I've never known of an ASF 5th Wheel failure."

If that's the kind of service you want in a 5th wheel, why not be guided by the experience of Mr. Bilbrey and scores of others like him? See your nearest ASF Distributor or write American Steel Foundries; East Chicago, Indiana.



Exclusive ASF Features Give Longer Wheel Life Cut Maintenance Costs!

Jaws grip kingpin at top . . . give ASF the lowest bending leverage of any 5th wheel made.

3000 lb. jaw "compression grip" eliminates slack and backlash. Simple service shim compensates for wear.

Heavy trunnion-type brackets carry the load on 26-sq. in. of bearing area...eliminate difficulties found in pin and shaft designs.

safety 5th wheels ASF

Make an investment in safety . . . With

A product of American Steel Foundries; East Chicago, Indiana

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Choose the reefer that's designed and built to meet AFDOUS Code Requirements

TROPICAIRE Coldmobile

Gasoline or Diesel Powered Transport Refrigeration

McGraw-Edison Company
Transportation Cooling Division
5201 W. 65th Street, Chicago 38, Illinois

McGRAW EDISON

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1960's three big fleet meetings give a look at what's ahead

American Trucking Associations

John J. Gill, president of Petroleum Heat & Power Co., Providence, R. I., was elected president of American Trucking Assns. at its annual convention in New York City last month. He's the first private carrier to be so honored. Biggest news from the meeting was a resolution passed by ATA's Executive Committee asking for uniform state vehicle registration laws. Main reason: To help eliminate "gray area" unlawful truck operation (Oct., page 34). Fleetmen at the convention also heard about investigating piggy-back abuses, the need to liberalize mail-by-truck laws, federal highway use taxes and diversion, new contract carrier authority. *See page 276 for background reports.*

American Transit Association

Planning for a future with reduced costs and more revenue was important at American Transit Assn.'s annual meeting in Philadelphia early last month. Get help from merchants and public officials, said one speaker . . . you can't do it alone. Said another, best way to plan for future passengers is to take care of present riders. A third suggested prompt fare increases when needed, repeal of outmoded taxes, better traffic regulation. One speaker urged switching the burden of reduced-rate school fares to all taxpayers. And one other saw need for federal intervention in urban transit. *You'll find background details on page 367.*

National Safety Council

"Space Age Safety" was the subject at the commercial vehicle and transit sessions in Chicago late last month at National Safety Council's annual National Safety Congress. Some ideas in brief: Don't look for the foolproof or crashproof car. We need to find space for driving and parking the great number of vehicles the future will bring. Drivers will not be much better or worse than they are now. Fleet safety directors will move into top fleet management. *For background, see page 369.*

ATA commends ICC for new lighting rules, says they're sensible

Promptly upon release by the Interstate Commerce Commission of changes in its new lighting rules, American Trucking Associations endorsed them as "sensible regulations which promote safety . . . in keeping with good practices of the trucking industry." Further, "The ICC is to be commended . . . we plan an industry campaign to get all vehicles affected in compliance with the order at the earliest possible date." You'll find the exact text of the changes beginning on page 362, in this issue.

World adopts new length standard, shortens the inch

Meeting in Paris last month, standards men from all over the world adopted a new standard for measuring length. For the experts, it's the

wave length of the orange-red line of krypton 86—a gas. The inch now becomes 41,929.399 of them. It's a somewhat shorter inch than before . . . It takes three more of the new ones to measure the width of the United States as compared to the old, longer ones.

Compacts in fleet use cost less, but not much

How do compact cars make out in fleet use? Complete studies are not available yet, but Lee Associates, fleet leasing consultants, compared a Falcon 6 with a Ford Fairlane 6. Total operating cost per mile for the Falcon was 2.7¢, for the Fairlane 3.55¢. Most of the 8½-mills per mile difference is in cost of the car, gasoline and oil. In stop-and-go city driving, the Falcon averaged 22 mpg, the Fairlane 15 mpg. Difference in maintenance costs was only a half mill per mile in favor of the Falcon . . . as were tire costs by the same amount.

Four out of 10 fleet operators say road failures a problem

Second phase of the Budd-ATA Foundation truck maintenance cost study released last month shows average repair and servicing cost for intercity vehicles to be 4.7¢ per mile. Of the carriers included in the study, slightly over four out of 10 said road failures were a problem. Five major causes were (1) electrical systems—reported by 82 per cent of the carriers replying, (2) tires—mentioned by 65.6 per cent, (3) engines—60.7 per cent, (4) fuel systems—42.6 and (5) cooling systems—26.2. Watch next month's CCJ for a special report on the study.

Balanced braking development begins . . . with difficulty and hope

Work has begun near Detroit to develop means of obtaining brake balance on tractor-trailer combinations. It's being carried on by a joint Automobile Manufacturers Assn.—Truck-Trailer Manufacturers Assn. technical committee. In a first report to fleetmen (at last month's ATA Regular Common Carrier Conference meeting), the Committee's spokesman, Ray Almond of Midland-Ross, said the problem "has proven to be far more technical and complicated than . . . originally supposed . . ." But, the Committee feels, he continued, that "we have made significant inroads . . . and hold reasonable hopes that we can successfully solve this riddle."

New equipment developments announced last month include. . . .

Testing of a new ignition system developed by Tung-Sol where the spark build-up is through an electronic tube instead of the usual coil-condenser set-up . . . Introduction of a new steel for body panels by Armco Steel that's zinc-coated on one side, clean on the other for better paint adhesion and welding . . . Induction-hardened axle shafts as standard on all International trucks with full-floating rear axles in the 4200 to 30,000-lb GVW range . . . A new process for diffusing chromium into the surface of mufflers developed by Alloy Surfaces Co. who reports 500,000 engine miles for test mufflers on trucks . . . Elimination of coils, points, condensers and magnetos in small engine ignition systems by Clinton who is using a crystal, a switch and a spark plug for a complete system.

Total 1960 truck and bus registrations expected to exceed 12,000,000

Total truck and bus registrations, says Bureau of Public Roads, should total 12,299,000 by the close of the year—a 3 per cent gain over 1959. Passenger car total is predicted at 61,569,000—a 3.4 per cent gain. By that time, continues BPR, they'll have used 58.3 billion gallons of fuel. Added to 5.5 billion gallons for non-highway use, this puts 1960's 63.8 billion gallon fuel use estimate 3.5 per cent over 1959 . . . which should make some tank truck fleet operators happy.

In thousands of units, except bus sales are in actual numbers	New Truck Registrations		Truck Factory Sales—Domestic		Truck Trailer Shipments		Bus Factory Sales—Domestic		Truck and Bus Tires			
									Replacement Shipments		Original Equip. Shipments	
	August	8 Months	August	8 Months	August	8 Months	August	8 Months	August	8 Months	August	8 Months
1960	81.4	652.6	53.3	694.2	4.5	47.1	347	2796	823.2	6299.6	219.0	2666.7
1959	88.1	646.4	47.9	693.4	5.9	48.2	58	1448	873.9	6418.8	276.2	3183.6

Truck and bus production

Make	Weeks Ending		Year to Date	
	Oct. 15	Oct. 8	1960	1959
Chevrolet	7,401	7,891	316,155	291,246
G. M. C.	1,569	1,578	85,533	68,174
Diamond T	31	15	2,235	4,690
Divco	80	80	3,256	2,996
Dodge and Fargo	1,398	1,296	58,048	62,385
Ford	2,126	2,267	273,658	274,894
F. W. D.	0	4	741	851
International	2,296	2,423	101,644	117,513
Mack	277	277	12,119	14,079
Studebaker	150	149	10,496	10,425
White	226	247	13,152	15,961
Willys	2,215	2,088	104,127	93,381
Other Trucks	80	80	3,545	3,041
Total—Trucks	17,849	18,395	984,709	959,636
Buses	85	100	3,300	1,955
Total—Trucks and Buses	17,934	18,495	988,009	961,691

Sources: Truck and bus data—Automobile Manufacturers Assn. Tonnage—American Trucking Assns. Registrations—R. L. Polk & Co. Trailers—Dept. of Commerce. Tires—Rubber Manufacturers Assn.

Truck tonnage →

1960 Week Ending	% Change from Previous Week	% Change from a Year Ago
October 15	− 3.7	− 1.4
October 8	− 1.8	+ 0.7
October 1	+ 2.2	− 1.0
September 24	− 0.5	− 2.1
September 17	+18.1	− 1.1
September 10	−14.8	+ 0.4
September 3	+ 6.8	+ 0.4
August 27	+ 1.6	− 2.9
August 20	+ 1.4	− 3.0
August 13	− 1.3	− 3.8
August 6	− 0.3	− 1.7
July 30	+ 1.4	− 2.4
July 23	+ 2.4	− 1.2
July 16	+18.1	− 3.7
July 9	−22.1	−17.7
July 2	+ 1.7	+ 1.3
June 25	− 0.4	− 6.6
June 18	− 1.5	− 5.8
June 11	+14.9	− 3.1
June 4	+13.3	−14.5

Leasing: A new company, new fields, a prediction, and anti-trust charge

Pacific Intermountain Express entered the leasing field last month by organizing a subsidiary company, PIE Leasing Co., to handle rental of "practically any type of mobile equipment" . . . Hertz also has a new subsidiary, Hertz Rent-All Corp., covering rental of "party goods, hospital and sickroom supplies and other merchandise" . . . J. O. Wright of Ford says leasing companies will have 300,000 cars and trucks registered by the end of the year . . . Dept. of Justice has filed an anti-trust action against Ryder, charging that Ryder's purchase of truck leasing companies lessens competition, increases the tendency to monopoly in leasing. Hertz recently signed a consent decree in a similar action.

Keilin wins driver contest; preliminary "safe driver" profile released

Alex J. Keilin, a Minnesota highway patrolman for 25 years, was winner in a run-off competition to find the nation's "Outstanding Safe Driver"

(Oct., page 34). Main goal of the research, to establish a "safe driver" profile, is yet to come . . . but watch next month's issue for full text of the preliminary findings.

Fuel makers oppose extension of temporary federal gas tax

Although their campaign is causing some confusion, vehicle fuel makers are sure of one thing: They don't want the "temporary" 1¢ per gal federal gas tax renewed when it expires June 30, 1961. It's a question sure to be involved when Congress holds its big debate on highway use taxes in its 1961 sessions. Another question to be answered, brought out at the North American Gasoline Tax Conference in Chicago late last month: What effect do compact cars have on expected fuel tax revenues? One estimate is that in 1965, collections will be $330 million less than if there were no compact cars. Problem adds emphasis to the fact that actual fuel tax revenues are not keeping pace with estimates upon which the highway building program was projected.

Railroads clarify piggy-back statistics

Assn. of American Railroads reports piggy-back car loadings so far this year are running 34 per cent ahead of 1959 . . . about five times more than 1955, the first full year of AAR records. But it's less than 2 per cent of all car loadings. Today 55 railroads offer the service.

Fleet Maintenance Exposition heads list of coming events

Private Truck Council's Fleet Maintenance Exposition featuring displays of what's new in shop and fleet equipment plus three days of fleet maintenance panel discussions heads the list of coming events in the near future. It's scheduled for New York City's Coliseum, Dec. 5-8. Later this month, Nov. 20-23, the National Defense Transportation Assn. holds its annual meeting at the Roosevelt Hotel, New Orleans, La.

IN THIS ISSUE . . . .

. . . You'll find blood, sweat and a few tears. You won't recognize 'em. They appear as the thousands of suppliers listed in the product and address sections of this 1961 Fleet Buyers' Directory. It isn't as exciting to read as a regular issue. Frankly, it isn't as exciting to put together either. (It's like taking inventory in your parts department.) Following last year's issue—the first issue with this new format, we received many letters from you fleetmen. Our satisfaction comes from those letters . . . your comments such as "Good Job" and "Well done" . . . and more important, your expressions of the year-around usefulness of this special, exclusive issue of COMMERCIAL CAR JOURNAL.

NEW FROM VICTOR

positive-sealing

ALUMINUM PRECOTE GASKETS

Exclusive Victor Aluminum Precote speeds heat transfer . . . provides higher temperature resistance . . . compensates for irregularities of mating surfaces . . . eliminates need of gasket cement

Your overhaul jobs will seal up easier and faster—and stay tighter longer—with these new gaskets.

The new aluminum pigmented organic coating, and the way Victor applies it, permits a heavier, more uniform film with perfect coverage of both gasket faces. The coating is on to stay—it's baked on at 400 deg. F. It's tough, but soft enough to compensate for surface irregularities on engine head, block, flange faces, etc.

New Victor Aluminum Precote Gaskets provide increased corrosion resistance against coolants and antifreeze. They further reduce the possibility of blow-by between their combustion chamber openings.

Easy removal is another Victor Aluminum Precote Gasket feature you'll like.

Your Victor Jobber is stocking up these gaskets as fast as we can supply them. Ask for them on your next order.

Victor Mfg. & Gasket Co., P.O. Box 1333, Chicago 90. Ill. Canadian Plant: St. Thomas, Ontario.

Sold through Victor Jobbers Exclusively!

Three stories high, this new, automated Victor process chemically cleans the gasket, applies and bakes-on the new Aluminum Precote in one continuous operation.

VICTOR

World's Leader in Gasket Design and Development . . . for Cars, Trucks, Tractors, Stationary Engines

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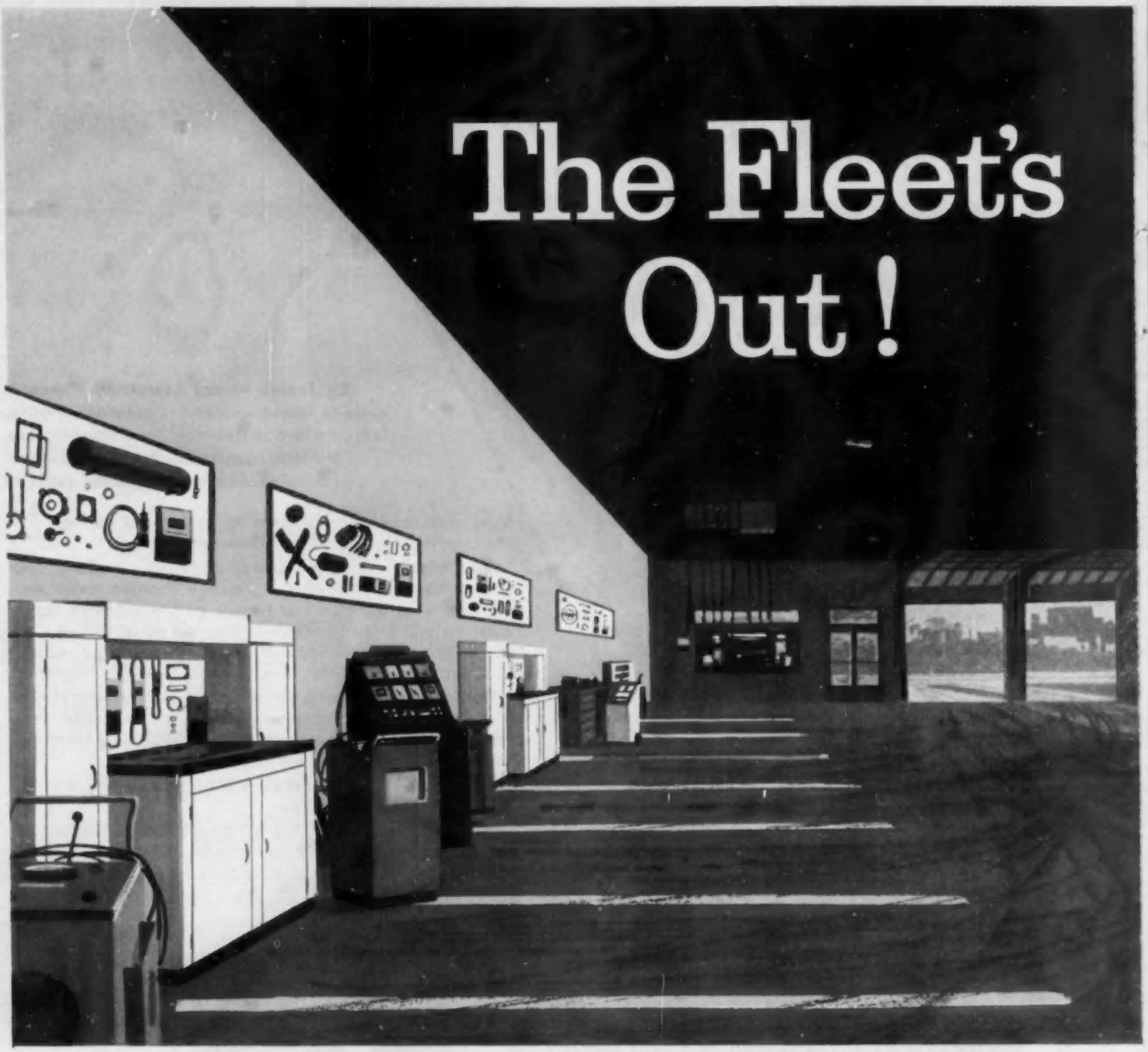

Safeguard your fleet with Genuine Ford Parts . . . built to the world's highest quality control standards. They're Super-Quality parts at Supermarket prices . . . and they're stocked in depth at your FORD DEALER'S!

Be penny-wise and dollar-wise with *Super-Quality* Ford Parts at *Supermarket* prices!

The same quality standards that go into Ford cars and trucks control the manufacture of Genuine Ford Parts . . . the highest quality control standards in the world!

Each part is made of *exactly* the correct material for its use. They're engineered to get the peak performance your Fords were designed to give. They're built by Ford to fit right, to last longer, work better . . . *to save you money.*

And because they're built *by* Ford *for* Fords they line up easier and quicker to speed your Fords back to work.

Speeding repairs is part of your Ford Dealer's service, too.

That's why he has *Supermarket stocks.* He stocks in depth so the parts you want are there *when* you need them . . . packaged in familiar FoMoCo cartons.

And he's backed by twenty-six huge parts depots throughout the nation that are ready to *immediately* ship hard-to-get parts.

But that's not all!

For now, Ford Super Quality is available in universal parts to help mixed fleets get *all* the benefits of *one-stop* shopping with complete assurance of unvarying high quality!

And *all* this at Supermarket prices!

Why not see your Ford Dealer and get the low-down on prices, service, and famous Super-Quality Genuine Ford Parts?

Keep your fleet on its feet and safeguard it with

GENUINE Ford PARTS

SUPER-QUALITY PARTS
SUPERMARKET PRICES
STOCKED IN DEPTH

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Save Lost Truck-Days with WEED V-BAR TIRE CHAINS

Stuck trucks cost you money in unproductive overhead, broken schedules, and disappointed customers. When the going gets tough, keep your vehicles rolling on WEED V-BAR TIRE CHAINS. Weed Chains stop shorter and safer on snow or ice...provide the traction your trucks need to keep moving—avoid traffic tie-ups and lost time.

Get them NOW!

In Business for Your Safety

Check your tire chains now. Make necessary repairs early. Order new chains from your Weed Chain distributor

ACCO

TRADE MARK

AMERICAN CHAIN DIVISION
AMERICAN CHAIN & CABLE

York, Pa., Boston, Chicago, Denver, Houston, Los Angeles, New York, Philadelphia, Pittsburgh, Portland, Ore., San Francisco, Bridgeport, Conn.
In Canada: **DOMINION CHAIN COMPANY, LTD.,** Niagara Falls, Ontario

● More details? Circle 129 on reply card inside back cover

He certainly does need AID—from his Autoglass Installation Dealer.

If he's smart, he'll take that broken windshield to the nearest shop displaying the green and white AID sign. There he'll get speedy, courteous, top-notch replacement service.

There's no long wait for estimates or repairs at AID shops. They employ expert installers who do *nothing else* but replace auto glass. These men work according to strict, established standards, and have a sincere appreciation for your business.

Your Autoglass Installation Dealer is listed in the Yellow Pages of the pnone book, or identified by the big green and white AID sign he displays at his shop. He'll install dependable PPG Safety Glass in any make, model or year of truck you own.

Pittsburgh Plate Glass Company

Paints • Glass • Chemicals • Fiber Glass *In Canada: Canadian Pittsburgh Industries Limited*

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ROBERT BOSCH
PUTS THE
POW IN POWER

in Electric Windshield Wipers that reduce the dangers of "dirty weather" driving.

Give yourself and your drivers the extra protection of ROBERT BOSCH *Electric* Windshield Wipers. Dependable even in the foulest weather... Powered by a rugged ROBERT BOSCH *electric* motor that's independent of engine speeds. Millions in use. Won't falter even when you step hard on the gas, or climb a hill—won't stall even if your engine stalls. Play safe in "dirty weather." Install ROBERT BOSCH *Electric* Windshield Wipers *now*. They're inexpensive, easily installed.

ROBERT BOSCH CORPORATION

40-25 Crescent St., Long Island City 1, N. Y. • 225 Seventh St., San Francisco 3, Calif.

® Reg. U. S. Pat. Off. ROBERT BOSCH GMBH Stuttgart

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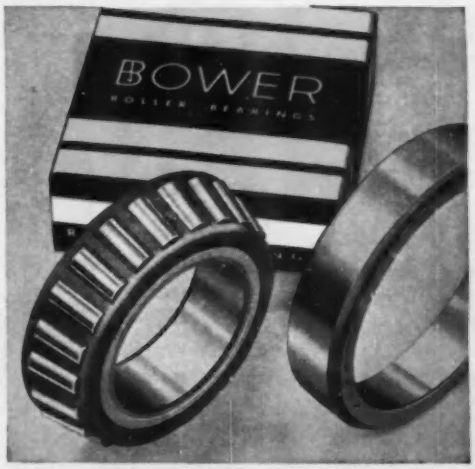
Better products, *faster,* from your Bower Distributor:

You get extra miles of trouble-free bearing service with Bower



Bower roller bearings run with less friction to carry heavier loads longer!

Every fleet mile is an important *and* expensive one. One way to help keep fleets moving and reduce maintenance costs is to replace with Bower roller bearings. Fleet operators have learned from millions of miles of experience that Bower has the built-in, long-life quality they can depend on.

Exclusive *Spher-O-Honed* design in tapered roller bearings and Bower "*two-lip*" construction in straight roller bearings are features that mean *more* mileage with *less* maintenance.

And when you combine the finest in design and construction with the fast delivery distributors give on a complete line, you get the *best value* for all roller bearing replacements . . . Bower! Call *your* Bower distributor today.

BOWER ROLLER BEARINGS

BEARING BOWER ROLLER BEARINGS SERVICE

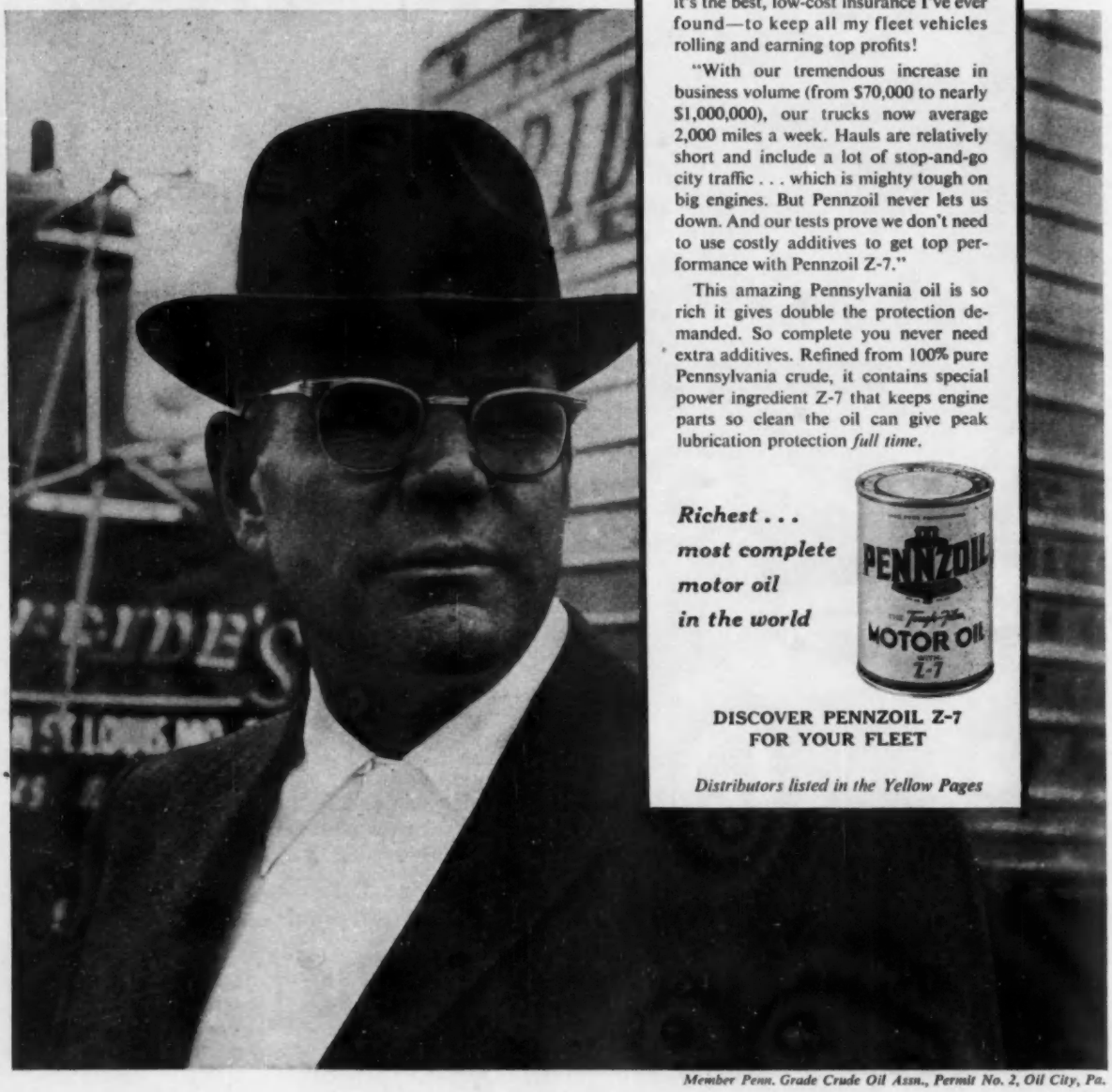
FEDERAL-MOGUL SERVICE

DIVISION OF FEDERAL-MOGUL-BOWER BEARINGS, INC. • DETROIT 13, MICHIGAN

● More details? Circle 132 on reply card inside back cover

Illinois Fleet Owner Discovers Oil!

Mr. James McBride, of McBride Express Company, Mattoon, Illinois, whose business has increased in nine years from $70,000 to nearly $1,000,000—over 1400%!



Four years ago, Mr. James McBride discovered the world's richest, most complete motor oil—Pennzoil. He says, "It costs a little more than other oils. But it's the best, low-cost insurance I've ever found—to keep all my fleet vehicles rolling and earning top profits!

"With our tremendous increase in business volume (from $70,000 to nearly $1,000,000), our trucks now average 2,000 miles a week. Hauls are relatively short and include a lot of stop-and-go city traffic . . . which is mighty tough on big engines. But Pennzoil never lets us down. And our tests prove we don't need to use costly additives to get top performance with Pennzoil Z-7."

This amazing Pennsylvania oil is so rich it gives double the protection demanded. So complete you never need extra additives. Refined from 100% pure Pennsylvania crude, it contains special power ingredient Z-7 that keeps engine parts so clean the oil can give peak lubrication protection *full time.*

Richest . . . most complete motor oil in the world

DISCOVER PENNZOIL Z-7 FOR YOUR FLEET

Distributors listed in the Yellow Pages

Member Penn. Grade Crude Oil Assn., Permit No. 2, Oil City, Pa.

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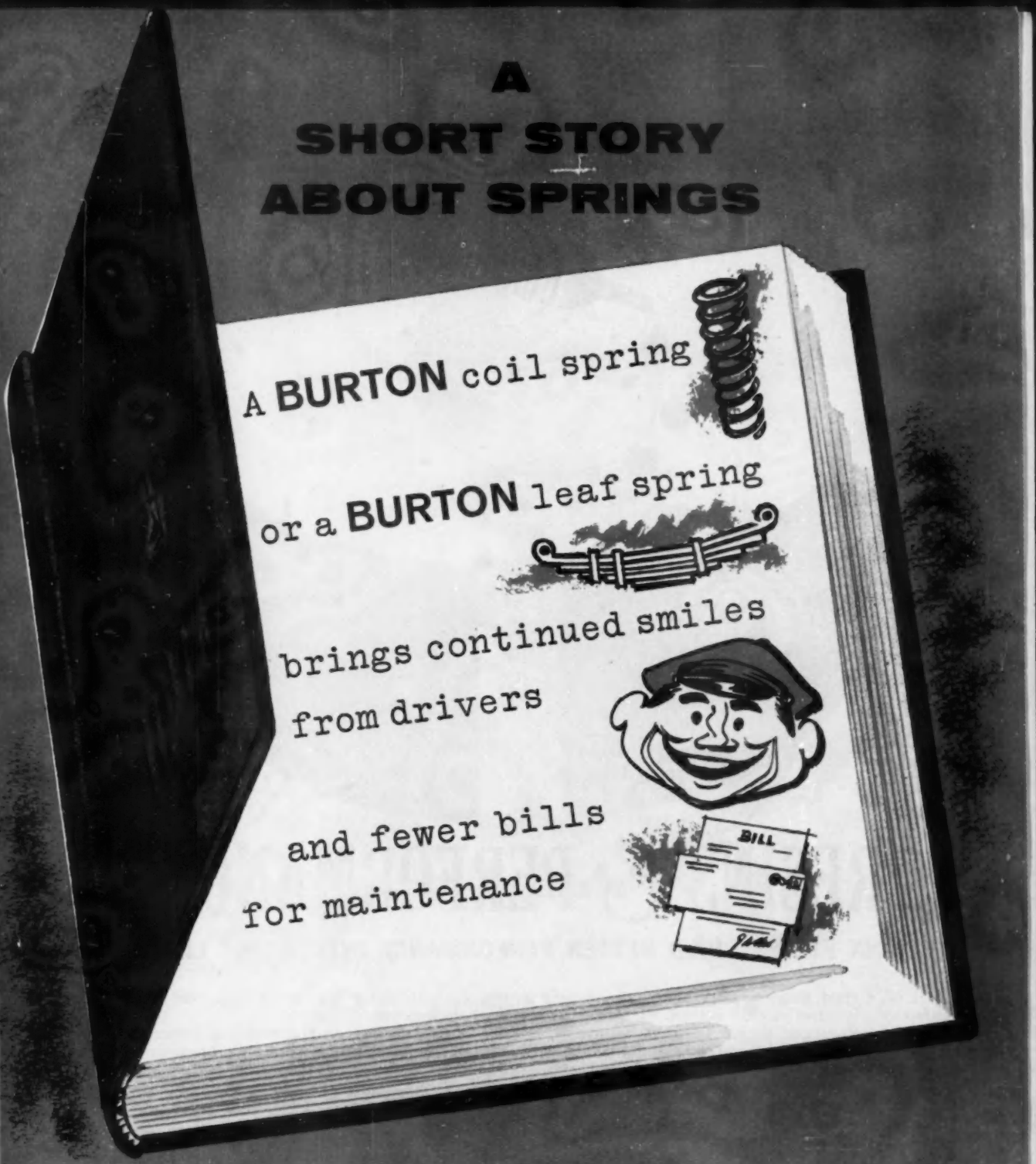
● More details? Circle 134 on reply card inside back cover ➔

A SHORT STORY ABOUT SPRINGS

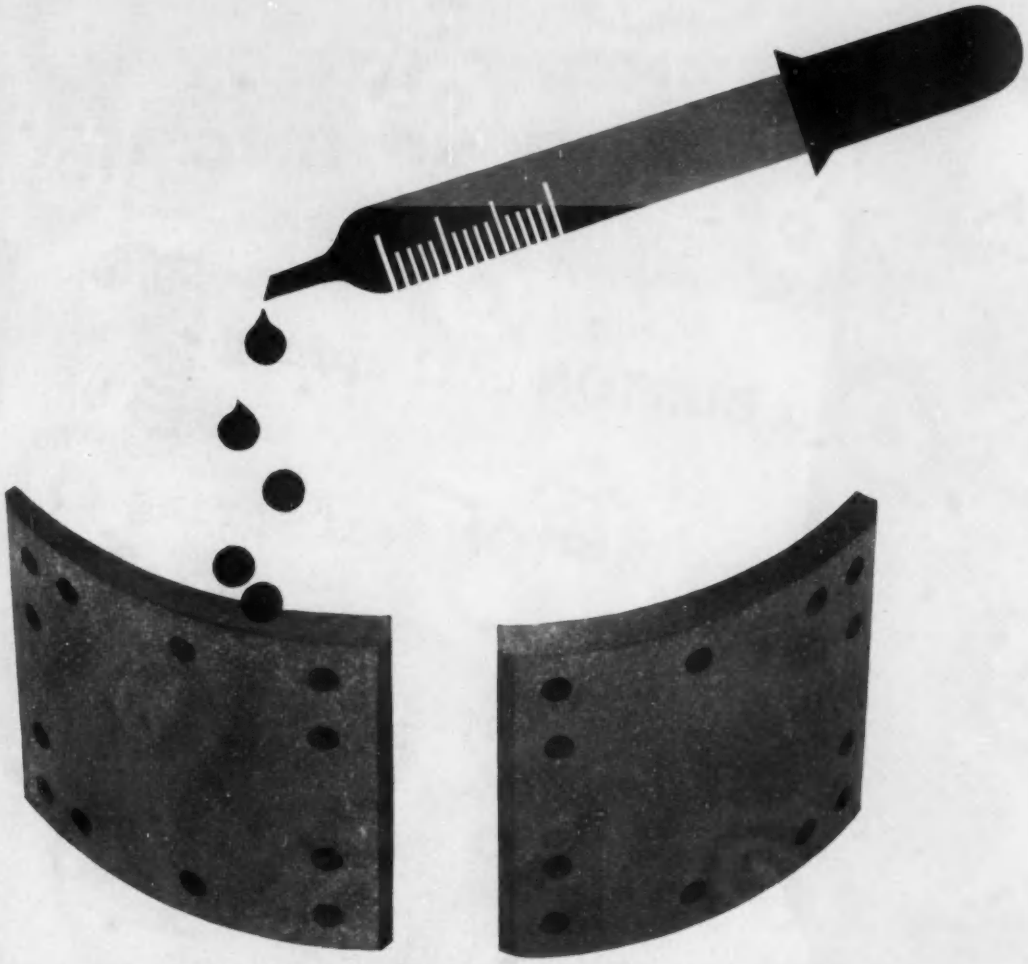


ask White, Mack, Diamond T, Dodge, Studebaker, Reo or Fruehauf

...or ask us...we've been engineering top quality springs since 1923

BURTON Auto Spring Corporation

WESTERN AVENUE AT 48TH STREET • CHICAGO 32, ILLINOIS

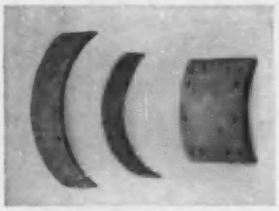


RESINS & PERFORMANCE

BENDIX RESINS BUILD BETTER PERFORMANCE INTO BRAKE LININGS

As part of a rigid quality control program, Bendix manufactures its own resins—one of the few brake lining manufacturers to do so. To meet the varying needs of specialized fleet operation, Bendix combines these resins with other high-quality materials—asbestos, friction modifiers and fillers—in high performance brake linings.

We test thousands of formulas to assure the right combination for each fleet need. Production linings, as well as experimental types, are exhaustively tested—both in the laboratory, and over the road in our own test fleet.



You can depend on the resulting linings for sure braking, reduced drum wear and increased mileage. Bendix research, manufacturing and testing make sense to the vehicle manufacturers. Proof? *Our brake linings are installed on more new vehicles than any other brand!*

SPECIFY BENDIX® BRAKE LININGS BY BRAND, AND BY TYPE: "ED" truck sets; "EM" or "S-400" brake blocks.

Marshall-Eclipse Division

TROY, NEW YORK

● More details? Circle 135 on reply card inside back cover

TOUGH!

CUT DOWNTIME WITH 100% TOUGH DELCO DC EXTRA-DUTY BATTERIES!

They're so rugged you'd swear they were designed by a fleet maintenance supervisor . . . and you wouldn't be far wrong at that!

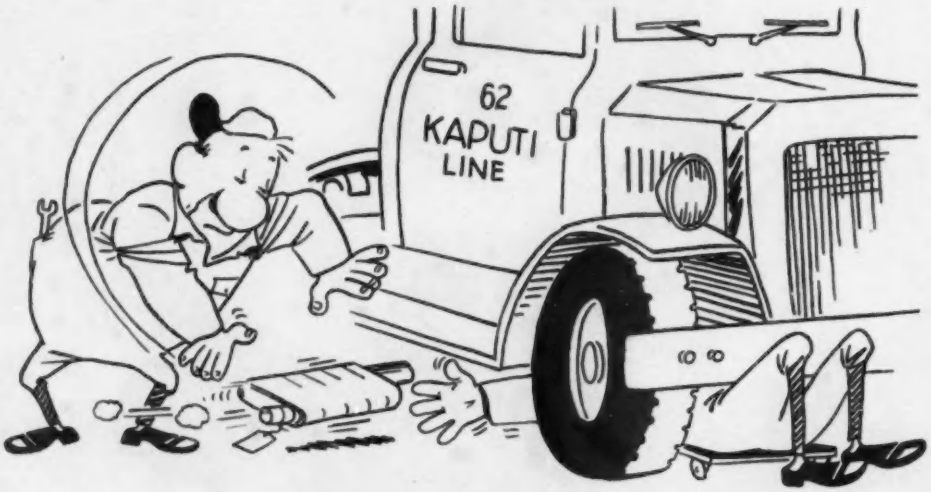
"Fleet-Designed," these extra-duty dry charge batteries smile at jolting, jarring, all-weather round-the-clock service. Extra-mileage features include heavy-duty plates and grids, plus all-rubber cases.

What's more, this 100% fresh Delco dry charge power stays under wraps until you need it. (And all you need to stock spare Delcos is a shelf!) If you frown on downtime, call your Delco Battery supplier for the whole story on Delco, America's No. 1 Battery!

DELCO DC . . . . Best to START with . . . . Best to STAY with.

Another reliable General Motors product, distributed nationally through GM UMS

More details? Circle 135 on reply card inside back cover



When throwing parts under—just suppose

You* had to go 'round with this thing on *your nose!

Reprints available at nominal cost—for details, circle 499 on reply card inside back cover.

● More details? Circle 137 on reply card inside back cover——→

Hastings Piston Rings are GENTLE

ON CYLINDER WALLS

HERE'S WHY: Hastings Oil Rings have "wide open" spacers—the most ventilated in the entire industry—therefore deliver more oil to the cylinder walls. The narrow contacts of the steel rails assure positive oil control. Result: adequate lubrication, less wear, longer life for cylinder walls, pistons and rings.

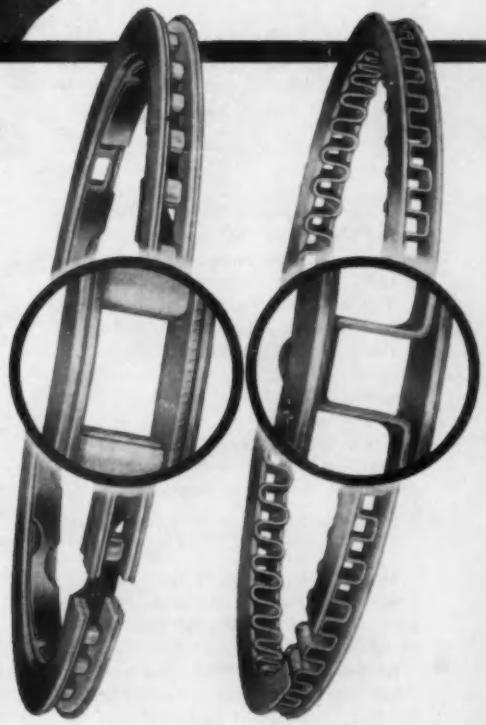
Moreover, the Hastings "shell molding" process of making piston ring iron—a brand new, *different* process—gives you compression rings with more free graphite . . . and graphite is a metallic lubricant. It lubricates the cylinders and provides extra lubrication at the top, where the heat is greatest, and there's the least amount of oil.

This extra protection and longer life for cylinder walls and pistons is coupled with Hastings' established reputation for controlling oil—*completely*. You'll say goodbye to trouble and have long-lived, economical engine performance.

HASTINGS MANUFACTURING COMPANY • HASTINGS, MICHIGAN
Hastings Ltd., Toronto
Piston Rings, Oil Filters, Casite Additives, Spark Plugs

HASTINGS
PISTON RINGS

TOUGH on oil pumping • **GENTLE** on cylinder walls



steel-vent oil **flex-vent oil**

In these typical Hastings oil rings, you can see for yourself the ample ventilation that provides efficient drain-back . . . prevents clogging . . . gives lasting oil control.

Hastings Aero-type Spark Plugs are engineered for replacement service in heavy-duty, industrial and extreme passenger car service. They operate over wider heat range, are less subject to fouling and electrode erosion.

Laugh it off

Fleet Personnel Manager: "What we need is an above average man with vision, fire and determination; a man who never quits; a man who can inspire others; a man who can pull the company's bowling team out of last place!"

CCJ

Weavin' Willie says, "Life's golden age is when the children are too old for baby sitters and too young to borrow the family car."

CCJ

Dock Foreman: "Do you mean to stand there and tell me that you did not attend your own daughter's wedding"

Truck Dispatcher: "Yes, I did not attend my own daughter's wedding."

Dock Foreman: "Well, that's the biggest insult to a man's own flesh and blood that I ever heard of! Have you any excuse?"

Truck Dispatcher: "The best excuse a man ever had. I was out trying to find a job for the bridegroom!"

CCJ

Driver Supervisor: "I must say that yours is a strange request, Slepperman. You ask to be paid your wages in silver . . . why, pray tell me?"

Reefer Driver: "Well, you see, sir, when I'm handing my wife the money the bills get ripped in half!"

CCJ

SHOP FOREMAN: "WHAT WOULD YOU LIKE FOR YOUR BIRTHDAY TOMORROW, DEAR?"

WIFEY: "NOT TO BE REMINDED OF IT."

The safety supervisor's secretary walked into the record shop and asked for a platter of 'Sympathy.' The clerk informed her he was out of that number but showed her another that he thought she might like — 'Kissed in the Moonlight.' She glanced at the title. "I got that last night," she said. "Now I'm looking for 'Sympathy'!"

CCJ

SHOP FOREMAN'S LITTLE BOY: "HONEY, LET'S YOU AND ME GET MARRIED."

TRUCK DISPATCHER'S LITTLE GIRL: "I'M SORRY, BUT I CAN'T."

LITTLE BOY: "WHY NOT?"

LITTLE GIRL: "BECAUSE IN MY FAMILY WE ONLY MARRY RELATIVES. YOU SEE, MY FATHER MARRIED MY MOTHER, MY GRANDFATHER MARRIED MY GRANDMOTHER, AND MY UNCLE MARRIED MY AUNT."

"Cici Jay"

"I have some shopping to do on my lunch hour, so I'll see you first thing in the morning."

Sonny Boy: "Dad, why can't a man have more than one wife?"

Trucking Tycoon: "You are a little young now, my boy, but as you grow older you will learn that laws are written to protect those incapable of protecting themselves."

CCJ

Maintenance Steno: "Horace, I'm through with you for good. Here is your old dinner ring back, and you can return my lock of hair this very minute!"

Washed-Up Boy Friend: "Okay, don't act excited, dearie! Do you want the dark lock, or the one you gave me when you were a blonde?"

CCJ

Leadfoot Louie (our big-footed city driver) says: "Girls seem to worry most over their hats and their shoes. Between the two there's enough to worry anybody!"

CCJ

TRUCKER'S WIFE: "DON'T YOU LIE TO ME. I KNEW THERE WOULD BE TROUBLE OVER YOUR ATTENDING THAT FLORIDA MEETING. MY COUSIN DOWN THERE WROTE ME THAT SHE SAW YOU PLAYING AROUND WITH A BLONDE ON THE BEACH."

TRUCKER: "WELL, WHAT DID YOU EXPECT ME TO PLAY WITH AT MY AGE, A PAIL AND A SHOVEL?"

CCJ

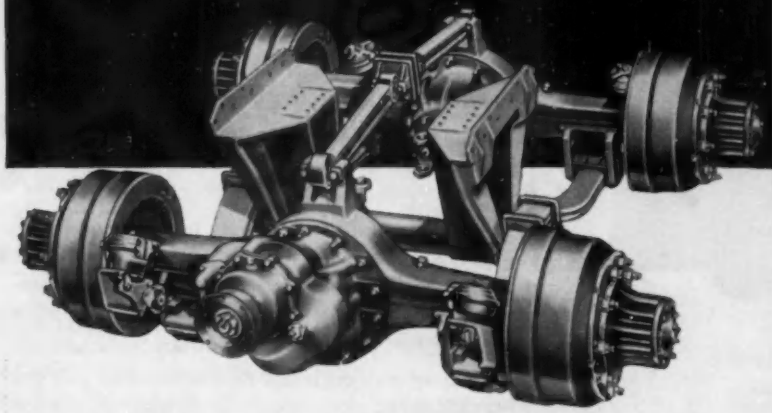
Tipsy Shop Mechanic: "You're the loveliesh girl I ever shaw . . . what would you take to let me kish you?"

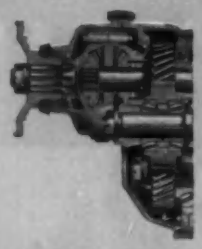
Gorgeous Gal: "Ether!"

MORE THAN 200 MILLION EXTRA TON-MILES OF PAYLOAD IN JUST 5 YEARS

WITH TIMKEN-DETROIT®

LIGHTWEIGHT TANDEMS





Driver Controlled Inter-axle Differential. Allows differential action between the axles to compensate for worn or mismatched tires . . . both axles do equal amounts of work. Can be dis-engaged at any speed giving positive thru-drive when better traction is needed.

Stronger Gear Sets. Hypoid gearing provides up to 30% more strength than spiral bevel gears of the same size. Modern hypoid design allows larger and stronger pinions with greater tooth contact area . . . assuring top efficiency and long life.

New Suspension Pushes Tandem Weight Savings Over 1000 Lbs. Rockwell-Standard's "taper-leaf" springs coupled with the latest in balanced suspension system designs is up to 475 lbs. lighter than comparable units. When combined with the payload advantages of the Lightweight Tandem you can save more than 1000 pounds per trip. This means thousands of ton-miles in extra payload per year.

In the five years since Rockwell-Standard introduced Timken-Detroit Lightweight Tandems, thousands of users have rolled up millions of extra ton miles of payload. Check the superior features illustrated at right. They are some of the reasons why these axles are first choice with over-highway operators:

Plus these additional Timken-Detroit advantages:

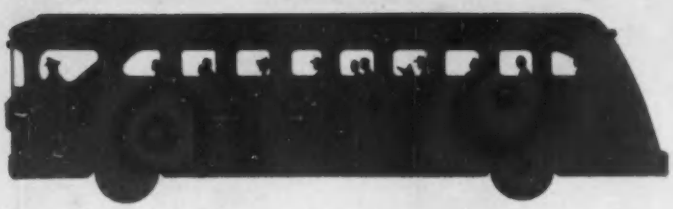
- In-line drive reduces wear on working parts
- High degree of parts interchangeability
- Large selection of gear ratios
- Torsion-Flow axle shafts
- Wide range of capacities – 8 models from 22,000 to 44,000 pounds

Another Product of... **ROCKWELL-STANDARD CORPORATION**

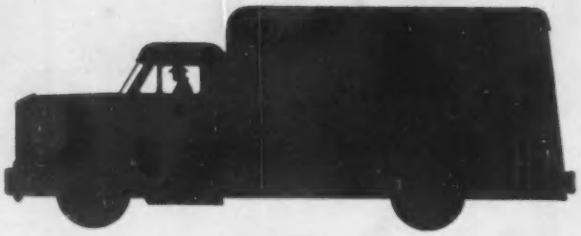
ROCKWELL R STANDARD

Transmission and Axle Division, Detroit 32, Michigan

● More details? Circle 136 on reply card inside back cover



How to get precisely what you want in brake blocks or linings



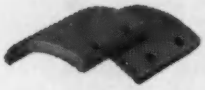
Raybestos Brake Blocks and Linings provide . . .

- Maximum resistance to dangerous brake fade
- Unsurpassed durability
- Smooth stops—no grab, no jerk, no squeal

What's more, they treat costly brake drums with the utmost care. And, remember, only Raybestos offers you eight different friction materials custom-tailored in the right combinations to suit your requirements.

In short, when you insist on Raybestos, you get precisely what you want in brake blocks or linings—safety and superb performance at the lowest possible cost per mile no matter what your equipment or where you operate.

ASK YOUR JOBBER ABOUT THE RAYBESTOS HEAVY DUTY BRAKE CLINIC! An illustrated technical program on the proper servicing of heavy duty brakes



Woven Molded Brake Blocks

Raylok® and Ray-Metl® Clutch Facings

PGT Heavy Duty Truck Sets

V-Drive and Automatic Transmission Plates

Full Molded Brake Blocks

Heavy Duty Brake Fluid

RELINE WITH **Raybestos**

AMERICA'S BIGGEST SELLING FRICTION MATERIAL

RAYBESTOS DIVISION of Raybestos-Manhattan, Inc., BRIDGEPORT, CONN.
RAYBESTOS-MANHATTAN, INC., Brake Linings • Brake Blocks • Brake Fluid Clutch Facings • Industrial Rubber • Mechanical Packings • Asbestos Textiles Engineered Plastics • Sintered Metal Products • Rubber Covered Equipment Laundry Pads and Covers • Abrasive and Diamond Wheels • Industrial Adhesives Bowling Balls

RM

● More details? Circle 139 on reply card inside back cover

PRODUCT DIRECTORY

It's easier to use than ever before. All products are listed by their most commonly used name. For example, brake adjusters, bleeders, bonders, linings and other brake parts and supplies are grouped under the major heading . . .

BRAKES

Also, to help you find the product faster, everything is fully cross-indexed. Don't forget that vehicle makers also offer a full line of parts. Manufacturers with names ALL IN CAPITALS have advertised their products in Commercial Car Journal during the past year. If you can't find what you want, drop us a line on the postage-paid "Dear Editors" reply card inside the back cover. Manufacturers addresses are listed in the Manufacturers Directory beginning on . . .

page 236

FLEET BUYERS' DIRECTORY 1961

ACETYLENE GAS

Air Reduction Sales Co
Burdett Oxygen Co
Liquid Carbonic Div
Linde Co
National Cylinder Gas Div

ADDITIVES, Fuel & Oil

Acheson Colloids Co
Alemite Div
Alox Corp
AMALIE DIV
Atlantic Refining Co
Bardahl International Corp
Barton Products Co
Bell Laboratory Inc
Bowes "Seal Fast" Corp
Castoleum Corp The
Celco Corp
Champion Products Inc
CLIMAX MOLYBDENUM CO
Collinite Chemical Co
Cristy Chemical Corp
Curran Corp
Decar Chemical Products Co
Daubert Chemical Co
Dow Chemical Co
Du Bois Chemicals Inc
DU PONT DE NEMOURS & CO FINISHES DIV
ELCO LUBRICANT CORP
Emerol Mfg Co
Engine Accessories Mfg Co
Ensign Prod ts Co
Esso Stand. l Div
Farjay Chemical Co
FORD DIV FORD MOTOR CO
Fuel-X Corp
Gard Products Co
Gold Eagle Products Co
Grace Products Inc
Grafo Colloids Corp
GULF OIL CORP
Gunk Laboratories Inc
HASTINGS MFG CO
Heet Div
Hollingshead Corp R M
Houghton & Co E F
International Metal Polish Co
Kano Laboratories
Kapro Corp
Kendall Refining Co
King Graphite Products Inc
Lubaid Co
Lubrication Engineers Inc
Lubri-Gas International Inc
MAGNUS CHEMICAL CO
McGlaughlin Oil Co
Mergraf Oil Products Co
Miracle Power Products Corp
MOBIL OIL CO
MOPAR DIV CHRYSLER CORP
Moly Motor Products Corp
National Refining Co
NUTMEG CHEMICAL CO
Octane Chemical Co
ORONITE CHEMICAL CO
Pennsylvania Refining Co
PENNZOIL-SOUTH PENN OIL CO
PERMATEX CO
Petroleum Solvents Corp
Powertane Corp
Purfex Mfg Co
Pyroil Co
Quaker State Oil Refining Corp
Radiator Specialty Co
Randall Products Mfg Co
Reliance Battery Products Co
Rust Master Chemical Corp
Service Supply Co
Shaler Co
SOUTH PENN OIL CO
SPRAY PRODUCTS CORP

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

STANDARD OIL CO
Sun Oil Co
Tumbler Laboratories J A
Turtle Wax Inc
U. S. Chemical & Supply Co
UNION CARBIDE CONSUMER PRODUCTS CO DIV
United States Aviex Co
V-O Mfg Co
Warehouse Distributors Co
Warren Refining & Chemical Co
Warwick Laboratories Co
White & Bagley Co
Wilbur & Williams & Co
Yale Engineering Co
Zip Abrasive Co

ADJUSTERS, BRAKE *See Brake Adjusters*

ADJUSTERS, TIRE CHAIN *See Tire Chain Adjusters*

AIR BRAKES *See Brakes, Air*

AIR CLEANERS

AC SPARK PLUG ELECTRONICS DIV
Air-Maze Corp
Badger Mfg Corp
Baldwin Mfg Co J A
CYCLONE FILTER CORP
Dollinger Corp
Donaldson Co
Farr Co
FORD DIV FORD MOTOR CO
FRAM CORP
Hanna Engr Works
HASTINGS MFG CO
Hilliard Corp Purifier Div
Lee Filter Corp
MOPAR DIV CHRYSLER CORP
Purolator Products Inc
Sav-T-Engineering
SCHRADER'S SON A

For addresses of manufacturers, see Manufacturers Directory starting on page 236

AIR COMPRESSORS TO AXLES, TWO-SPEED

AIR CLEANERS—*continued*

United Specialties Co of Illinois
Velvac Inc
Vortox Co
Walker Mfg Co
WIX CORP

AIR COMPRESSORS

Allis-Chalmers Mfg Co
American Air Compressor Corp
AMERICAN BRAKE SHOE CO KELLOGG DIV
Bell & Gossett Co
BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
Binks Mfg Co
Black Mfg Co
Brown Corp W R
Brunner Div Dunham-Bush Inc
Buell Mfg Co
Campbell-Hausfeld Co
Caterpillar Tractor Co
Cerlist Diesel Inc
Champion Pneumatic Machinery Co
CHICAGO PNEUMATIC TOOL CO
Clark Bros Co
Cochin Mfg Co J D
CUMMINS ENGINE CO
CURTIS MFG CO PNEUMATIC DIV
Davey Compressor Co Rotary Drill Div
Dayton Air Compressor Co
Decora Mfg Co
DE VILBISS CO
Emglo Products Corp
Erie Meter Systems Inc
Forney Industries Inc
Gardner-Denver Co
Grover Prods Co
Hadley Mfg Co
Hesse Carriage Co
INGERSOLL-RAND CO
Jaeger Machine Co
Joy Mfg Co
Kellog-American Div
Keystone Compressor Co
Le Roi Div
LINCOLN ENGRG CO
M & E Mfg Co
MIDLAND-ROSS CORP OWOSSO DIV
National Compressor Corp
Paasche Airbrush Co
Pioneer Air Compressor Co
Power Brake Parts Mfg Co
Quincy Compressor Co
Saylor-Beall Mfg Co
Schramm Inc
Scott Air Compressor Co
Sharpe Mfg Co
Southwest Pump Co
Superior Pneumatic & Mfg Inc
Supreme Equipment Corp
Thomas Industries Inc Electric Sprayit Div
TOKHEIM CORP
United States Air Compressor Co
UNITED STATES RUBBER CO (parts only)
WAGNER ELECTRIC CORP
WEAVER MFG DIV
Westinghouse Air Brake Co Industrial Products Div
Wilson Inc K R
Worthington Corp

AIR COMPRESSORS, BRAKE *See Brakes Air Systems and Parts*

AIR CONDITIONERS

Airtemp Div
Capital Refrigeration Inc
Clardy Mfg Co
Climatic Air Sales Inc
Eaton Mfg Co Heater Div
Flxible Co
Ford Div Ford Motor Co
Frigikar Corp
Frigiquip Corp
HARRISON RADIATOR DIV
International Automotive Air Conditioning Inc
KYSOR HEATER CO
Mack Trucks Inc Bus Div
McCord Corp
McGRAW-EDISON CO
Mercury Electric Co
Mitchell Co John E
MOPAR DIV CHRYSLER CORP
Novi Sales and Service Co
Onan & Sons Inc D W
Sherman & Co Inc Earl
Spitzka Mfg Co
Sutton Corp O A
THERMO-KING CORP
Transicold Corp
UNION CARBIDE CONSUMER PRODUCTS CO DIV
York Div

AIR FILTERS *See Air Cleaners*
AIR HORNS *See Horns, Air*
AIR HOSE *See Hose, Air*
AIR MOTORS, STARTING *See Starting Motors, Air*
AIR NOZZLES *See Nozzles, Air*
AIR SUSPENSIONS *See Springs, Air*
AIR VALVES *See Valves*
ALARMS, AIR & OIL PRESSURE *See Signals*

ALARMS, Carbon Monoxide

CAMBRIDGE INSTRUMENT CO
General Scientific Equipment Co
Mine Safety Appliances Co
Steinwachs Safety Supply

ALARMS, Truck and Cargo Protection

Auto-Matic Alarm Systems
Babaco Alarm Systems Inc
Bogen Presto Div
Certified Burglar Alarm Systems
Ever-Guard Automatic Burglar Alarm Co Inc
KYSOR HEATER CO
The Nason Co
The Tire Mart Inc National Fleet Service
Victor Truck & Car Alarm Systems Inc

ALIGNMENT EQUIPMENT (Frame)

John Bean Div
BEAR MFG CO
Bee-Line Co
Bender Equipment Co J H
BLACKHAWK MFG CO
Builders Ornamental Iron Co
HEIN-WERNER CORP
Hunter Engineering Co
P-F Automotive Div
SNAP-ON TOOLS CORP

ALIGNMENT EQUIPMENT (Front End)

Accurate Products Inc
Alemite Div
Arsco Mfg & Sales Corp
John Bean Div
BEAR MFG CO
Bee-Line Co
Bender Equipment Co J H
Bennett-Feragen
BRANICK MFG CO
Builders Ornamental Iron Co
Cornwell Quality Tools Co
HEIN-WERNER CORP
Hunter Engineering Co
KENT-MOORE ORGANIZATION
Manzell Unit
Merrill Axle & Wheel Service
Midwec Corp
Miller Mfg Co
OWATONNA TOOL CO
SNAP-ON TOOLS CORP
Sweeney Mfg Co B K
WEAVER MFG DIV
Zoerman-Clark Mfg Co

ALTERNATORS

DELCO-REMY DIV
General Electric Co Apparatus Sales Div
LEECE-NEVILLE CO

ALUMINUM

ALUMINUM CO OF AMERICA
American Nickeloid Co
Anaconda Aluminum Co
Bridgeport Brass Co
Chase Brass & Copper Co
Colonial Alloys Co
Fairmont Aluminum Co
Hunter Douglas Aluminum Corp
Kaiser Aluminum & Chemical Corp
Niagara Falls Smelting & Refining Div
Olin Mathieson Chemical Corp Metals Div

Precision Extrusions
REVERE COPPER & BRASS INC
REYNOLDS METALS CO
SHERWIN-WILLIAMS CO

AMMETERS, Instrument Panel

AC SPARK PLUG ELECTRONICS DIV
Accurate Products Inc
Daystrom Inc Weston Instrument Div
ELECTRIC AUTOLITE CO
Hoyt Electrical Instrument Works Inc
KING-SEELEY CORP
MOPAR DIV CHRYSLER CORP
Preferred Electric & Wire Co
Rochester Mfg Co Inc
Simpson Electric Co Div
STEWART-WARNER CORP INSTRUMENT DIV
SUN ELECTRIC CORP
United States Gauge Div

AMMETERS TEST *See Analyzers, Engine & Electrical*

ANALYZERS, Combustion

Allen Electric & Equipment Co
BACHARACH INDUSTRIAL INSTRUMENT CO
CAMBRIDGE INSTRUMENT CO INC
Doyle Electro Products Co
Du Mont Laboratories Inc Allen B
Fox Co Thomas T
General Electric Co Apparatus Sales Div
Hanson Co Harvey E
Heyer Industries Inc
King Electric Equipment Co
Mine Safety Appliances Co
Permutit Co
Simpson Electric Co
SNAP-ON TOOLS CORP
SUN ELECTRIC CORP
Waag Enterprises
Weidenhoff Corp

ANALYZERS (Engine and Electrical)

(See also Gages, Vacuum and Oscilloscopes)

Allen Electric & Equipment Co
Auto-Test Inc
Bee-Line Co
BOSCH CORP ROBERT
CLAYTON MFG CO
Crumbliss Mfg Co
Du Mont Laboratories Inc Allen B
Electro Products Co
ENGLER INSTRUMENT CO
Fox Co Thomas T
Fox Valley Instrument Co
Hanson Co Harvey E
Heyer Industries Inc
Hoyt Electrical Instrument Works Inc
Kal-Equip Co
Kennedy Service Tools Co
KENT-MOORE ORGANIZATION
King Electric Equipment Co
McQUAY-NORRIS MFG CO
Mack Products Co
Mercury Electric Co
Niehoff & Co C E
Performance Measurements Co
Schauer Mfg Co
Shurhit Products Inc
Simpson Electric Co Automotive Div
SNAP-ON TOOLS CORP
SUN ELECTRIC CORP
TRIPLE-A SPECIALTY CO
Weidenhoff Corp
Wood Co Frank N

ANTI-FREEZE, Cooling System

Cliffs Dow Chemical Co
Commercial Solvents Corp
Dacar Chemical Products Co
Dow Chemical Co
du Pont de Nemours & Co E I Polychemical Div
ESSO STANDARD DIV
FIRESTONE TIRE & RUBBER CO
FORD DIV FORD MOTOR CO
THE GENERAL TIRE & RUBBER CO
GULF OIL CORP
Gumout Div
Hollingshead Corp R M
Jefferson Chemical Co
LEE RUBBER & TIRE CORP
Master Co
MOBIL OIL CO
MOPAR DIV CHRYSLER CORP
Octagon Process Inc
Olin Mathieson Chemicals Div
Randall Products Mfg Co
Service Supply Co
SHELL OIL CO
Speco Inc
Texaco Inc
Union Carbide Chemical Co Div
UNION CARBIDE CONSUMER PRODUCTS CO DIV

ANTI-FREEZE, Fuel Line

Barton Products Co
Bowes "Seal Fast" Corp
Commercial Solvents Corp
Cristy Chemical Corp
Dacar Chemical Products Co
Davis-Howland Oil Corp
du PONT de NEMOURS & CO E I FINISHES DIV
Glisten Co
Gumout Div
Heet Div
Hollingshead Corp R M
Livingston Co
MOPAR DIV CHRYSLER CORP
NATIONAL CARBON CO
NUTMEG CHEMICAL CO
Service Supply Co
Silco Inc
STANDARD OIL CO OF CALIF WESTERN OPERATIONS INC
Tumbler Laboratories J A
UNION CARBIDE CONSUMER PRODUCTS CO DIV
Wilco Co
X Laboratories
Zecol, Inc.

ANTI-THEFT DEVICES *See Alarms Truck & Cargo Protection*

ARBOR PRESSES *See Presses, Hydraulic*

ARC WELDERS *See Welders, Electric*

ARMATURES

American Generator & Armature Co
BOSCH CORP ROBERT
DELCO-REMY DIV
ELECTRIC AUTOLITE CO
General Armature & Mfg Co
MOPAR DIV CHRYSLER CORP

AUXILIARY TRANSMISSIONS *See Transmissions, Auxiliary*

AXLES

AXLES, Front

Bolling Wheel & Axle Div
CLARK EQUIPMENT CO
EATON MFG CO AXLE DIV
Hahn Motors Inc
Marmon-Harrington Co Inc
MOPAR DIV CHRYSLER CORP
PAGE AND PAGE CO
ROCKWELL-STANDARD CORP (Timken-Detroit axles)
SHULER AXLE CO
United Mfg Co

AXLES, Front Drive

American Coleman Co
CLARK EQUIPMENT CO
DANA CORP
F A B Mfg Co
FWD Corp
FORD DIV FORD MOTOR CO
Marmon-Harrington Co Inc
Napco Industries Inc Axle Div
OSHKOSH MOTOR TRUCK INC
ROCKWELL-STANDARD CORP (Timken-Detroit axles)

AXLES, Rear Assembly

Andrews Industries Inc
CLARK EQUIPMENT CO
DANA CORP (including limited-slip differentials)
DETROIT AUTOMOTIVE PRODUCTS CORP
EATON MFG CO AXLE DIV
FWD Corp
FORD DIV FORD MOTOR CO
HENDRICKSON MFG CO
HUTCHENS & SON METAL PRODUCTS INC
Jo-Dog Mfg Co
MOPAR DIV CHRYSLER CORP
Napco Industries Inc Axle Div
ROCKWELL - STANDARD CORP (Timken-Detroit axles)

AXLES, Rear, Two-Speed

EATON MFG CO AXLE DIV
ROCKWELL - STANDARD CORP (Timken-Detroit axles)
SCHWAN ENGINEERING & MFG CO (Air-shift only)

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

AXLES, TRAILER TO BATTERY TESTERS

AXLES, Trailer

Aerobilt Bodies Div
Brimco Mfg Co
CLARK EQUIPMENT CO
Collins & Associates Inc
EATON MFG CO AXLE DIV
Fayette Mfg Co
French & Hecht Div
Grico Two Axle Drive Co
Hammer Blow Tool Co
Industrial Steel Tank & Body Works Inc
Kay-Brunner Steel Products Inc
Kingham Trailer Co
Liggett Spring & Axle Co
Liggett Supply & Equipment Co
Napco Axle Div
POLLOCK INDUSTRIES INC (steering)
Prior Products Inc
RAVENS-METAL PRODUCTS INC
ROCKWELL-STANDARD CORP (Timken-Detroit)
SHULER AXLE CO
Spencer Mfg Co
Spencer-Safford Loadcraft Inc
Springfield Body & Trailer Co
Standard Carriage Wks Inc
Standard Forge & Axle Co
Trucktor Corp
United Mfg Co

AXLE ALIGNING GAGES *See Alignment Equipment*

AXLE BELT DRIVE ADAPTERS

Collins & Associates Inc
Dayton Industrial Products Co
DAYTON STEEL FOUNDRY CO
DURKEE-ATWOOD CO
FAB Mfg Co
GATES RUBBER CO
HENDRICKSON MFG CO
THERMOID DIV

AXLE DOLLIES (To Convert Semi Trailer to Full Trailer)

BROWN TRAILER DIV
HIGHWAY TRAILER CO
Hobbs Trailers Div
Industrial Steel Tank & Body Works Inc
Saginaw Products Corp
Spencer-Safford Loadcraft Inc
Tec Div Heil Co
Timpte Bros Inc
Wilson Inc

AXLE REPAIR STANDS *See Stands*

AXLE RING GEARS & PINIONS

CLARK EQUIPMENT CO TRANSMISSION DIV
DANA CORP
DETROIT AUTOMOTIVE PRODUCTS CORP
Detroit Bevel Gear Div
EATON MFG CO AUTOMOTIVE GEAR DIV
Fairfield Mfg Co
FORD DIV FORD MOTOR CO
Lempco Products Inc
MOPAR DIV CHRYSLER CORP
New Process Gear Div
Perfection Gear Co
Republic Gear Co
ROCKWELL-STANDARD CORP (Timken-Detroit)
Saco-Lowell Automotive Div
Warner Automotive Div

AXLE SHAFTS

Canton Drop Forging & Mfg Co
Detroit Bevel Gear Div
Dittmer Gear Mfg Corp
EATON MFG CO AXLE DIV
Foote Axle & Forge Co
FORD DIV FORD MOTOR CO
International Parts Corp
Lempco Products Inc
MOPAR DIV CHRYSLER CORP
ROCKWELL-STANDARD CORP
Saco-Lowell Automotive Div
Spencer Mfg Co
U S AXLE CO INC

AXLE SHAFT PULLERS *See Pullers, Axle Shaft*

AXLE SHIMS *See Shims, Axle Caster & Camber*

AXLE STRAIGHTENERS *See Alignment Equipment*

AXLE SUSPENSION UNITS, Trailer

Andrews Industries Inc
Auto Transport Mfg Co
Bartlett Trailer Corp
Binkley Co
Brimco Mfg Co
BROWN TRAILER DIV
CLARK EQUIPMENT CO
Collins & Associates Inc
Copco Trailers Div
DAYTON STEEL FOUNDRY CO
DETROIT AUTOMOTIVE PRODUCTS CORP
EATON MFG CO AXLE DIV
FAB Mfg Co
Fayette Mfg Co
Flexmaster Div
FRUEHAUF TRAILER CO
Great Dane Trailers Inc
Hammer Blow Tool Co
Hellwig Products Co Inc
Hemco Div
HENDRICKSON MFG CO
HIGHWAY TRAILER CO
Hobbs Trailer Div
HUTCHENS & SON METAL PRODUCTS INC
Industrial Steel Tank & Body Works Inc
Kenworth Motor Truck Co
Kingham Trailer Co Inc
NEWAY EQUIPMENT CO
PAGE & PAGE
PARIS PRODUCTS DIV
Pointer-Williamette Co
Prior Products Inc
RAVENS-METAL PRODUCTS INC
REYNOLDS MFG CO
ROCKWELL-STANDARD CORP
Spencer-Safford Loadcraft Inc
Standard Forge & Axle Co
TEC Div Heil Co
TRAILMOBILE INC
Trans-Equipment Corp
Truck Equipment Co
Trucktor Corp
United Mfg Co
WESTERN UNIT MFG CO
Youngstown Steel Car Corp

AXLE UNITS, Third

DAYTON STEEL FOUNDRY CO
DETROIT AUTOMOTIVE PRODUCTS CORP
F A B Mfg Co
FRUEHAUF TRAILER CO
HENDRICKSON MFG CO
Hobbs Trailers Div
HUTCHENS & SON METAL PRODUCTS INC
Little Giant Products Inc
NEWAY EQUIPMENT CO
PAGE & PAGE
REYNOLDS MFG CO
TEC Div Heil Co
TRAILMOBILE INC
Truck Equipment Co
Truckstell Mfg Co
Trucktor Corp
Weber Trailer & Mfg Co

BABBITTING MACHINES

Freeport Machine Works
Waterbury Tool Div

BARRICADES, Highway Warning

Pacific Highway Electronics Inc
U-C-Lite Mfg Co

BALANCERS, CRANKSHAFTS *See Crankshaft Balancing Machines*

BALANCERS, WHEEL *See Wheel Balancing Machines*

BARS, BORING *See Boring Bars*

BARS, TOWING *See Towing Bars*

BATTERIES

BATTERIES, Storage

Allen's Cargo Batteries

American Battery Co
Am-Plus Storage Battery Co
Atlantic Battery Co
Automatic Battery Co of America
Bowers Battery & Spark Plug Co
Cellamatic Battery Corp
Continental Battery Co
Continental Mfg Corp
Crescent Battery & Light Co
Cumberland Battery Mfg Co

DELCO-REMY DIV

Douglas Battery Mfg Co
East Penn Mfg Co

ELECTRIC AUTOLITE CO

EXIDE AUTOMOTIVE DIV

FIRESTONE TIRE & RUBBER CO

FORD DIV FORD MOTOR CO

GENERAL TIRE & RUBBER CO

Gill Electric Mfg Corp
Globe-Union Inc

GOODYEAR TIRE & RUBBER CO

GOULD-NATIONAL BATTERIES INC

Grant Scott Marlott Battery Div
Grant Storage Battery Div

GULF OIL CORP

KELLY-SPRINGFIELD TIRE CO

LAHER SPRING & ELECTRIC CAR CORP

LEE RUBBER & TIRE CORP

MOBIL OIL CO

MOPAR DIV CHRYSLER CORP

Nic-L-Silver Battery Co
Pate Oil Co
Pennsylvania Tire Co
Perry Batteries
Prest-O-Lite Battery Div
Price Battery Corp
Prime Battery Mfg Co
Reading Batteries Div
Red Diamond Battery Mfg Co
Reliance Battery Products Co
Scranton Cellomatic Battery Co

SEIBERLING RUBBER CO

Southland Battery Co
Standard Electric Co
States Batteries Inc
Steinwachs Safety Supply
Surrette Storage Battery Co
Trojan Battery Co

UNION CARBIDE CONSUMER PRODUCTS CO DIV

UNITED MOTORS SERVICE

UNITED STATES RUBBER CO

Universal Battery Co

THE WHITE MOTOR CO

WILLARD STORAGE BATTERY DIV

BATTERY CABLE

Accurate Products Inc
American Electric Cable Co

BELDEN MFG CO

BORROUGHS TOOL & EQUIPMENT CORP

Bowes "Seal Fast" Corp
Comet Automotive Mfg Corp
Crescent Co
East Penn Mfg Co

ELECTRIC AUTOLITE CO

EXIDE AUTOMOTIVE DIV

Essex Wire Corp

FIRESTONE TIRE & RUBBER CO

FORD DIV FORD MOTOR CO

Fox Products Co
Freedco Products Inc

GOULD-NATIONAL BATTERIES INC INDUSTRIAL DIV

Hennessy Co Jack P
Jordan Electrical Products Div
Marquette Mfg Co

MOBIL OIL CO

MOPAR DIV CHRYSLER CORP

MYERS TIRE SUPPLY CO

National Ignition Mfg Co

PACKARD ELECTRIC DIV

Preferred Electric & Wire Co
Sittler Corp
Sorensen Mfg Co P

STANDARD MOTOR PRODUCTS INC

TRIPLE-A SPECIALTY CO

Walker Bros
Westric Battery Co
Whitaker Cable Corp

WILLARD STORAGE BATTERY DIV

BATTERY CHARGERS

Allen Electric & Equipment Co
Associated Equipment Corp
Automatic Switch Co
Baldor Electric Co
Berg-Gibson Mfg Co
Bogue Electric Mfg Co
Christie Electric Corp

ELECTRIC AUTOLITE CO

EXIDE AUTOMOTIVE DIV

Forney Industries
Fox Products Co
Grant Storage Battery Div
Heyer Industries Inc
Hobart Bros Co
Hughes Electronics Co
Jordan Electric Products Div
King Electric Equipment Co
Marquette Mfg Co Inc
Mercury Electric Corp
Mid-States Welder Mfg Co

MOBIL OIL CO

Motoraide Corp

PURE OIL CO

Quick Charge Div
Schauer Mfg Corp
Smith Corp A O

SNAP-ON TOOLS CORP

SUN ELECTRIC CORP

TRIPLE-A SPECIALTY CO

Westinghouse Electric Corp

WILLARD STORAGE BATTERY DIV

Wilson Inc K R

BATTERY ELECTROLYTE

American Cyanamid Co
Cellomatic Battery Corp

DELCO-REMY DIV

du Pont de Nemours & Co E I Grasselli Chemicals Dept

ELECTRIC AUTOLITE CO

GOULD-NATIONAL BATTERIES INC INDUSTRIAL DIV

Lustrolyte Industries

MOPAR DIV CHRYSLER CORP

Reliance Battery Products Co

SEIBERLING RUBBER CO

BATTERY HOLD DOWN CLAMPS

Accurate Products Inc
American Motor Products Co
Berkson Prods Inc
Bishman Mfg Co
Champ-Items
Crescent Co The
Cuyahoga Products Corp

R E DIETZ CO

FORD DIV FORD MOTOR CO

Fox Products Co
Houser Engrg & Mfg Co
Kravek Mfg Corp

LAMSON & SESSIONS CO

Lapeer Mfg Co
Loock & Co R J

MOPAR DIV CHRYSLER CORP

Murray Co
Perfect Parts Inc
Sal Metal Products Co

STANDARD MOTOR PRODUCTS INC

TRIPLE-A SPECIALTY CO

Wells Mfg Corp
Wheel Parts & Mfg Co
Whitaker Cable Corp
Wico Electric Co

WOHLERT CORP

BATTERY HYLROMETERS *See Hydrometers*

BATTERY TERMINAL COMPOUNDS

Allube Corp
Arsco Mfg & Sales Corp
Dow Corning Corp

GOULD-NATIONAL BATTERIES INC INDUSTRIAL DIV

Noco Co
No-Kro Co
Pep Mfg Co
Radiator Seal Co
Wolfe-Kote Co

BATTERY TESTERS (Electrical)

(See also Hydrometers)

Associated Equipment Corp
Baldor Electric Co
Christie Electric Corp
Continental Bearings Corp

EXIDE AUTOMOTIVE DIV

Fox Products Co
General Scientific Equip Co
Graham Research Inc
Hanson Co Harvey E
Heyer Industries Inc
Hoyt Electrical Instrument Works

IMPERIAL BRASS MFG CO

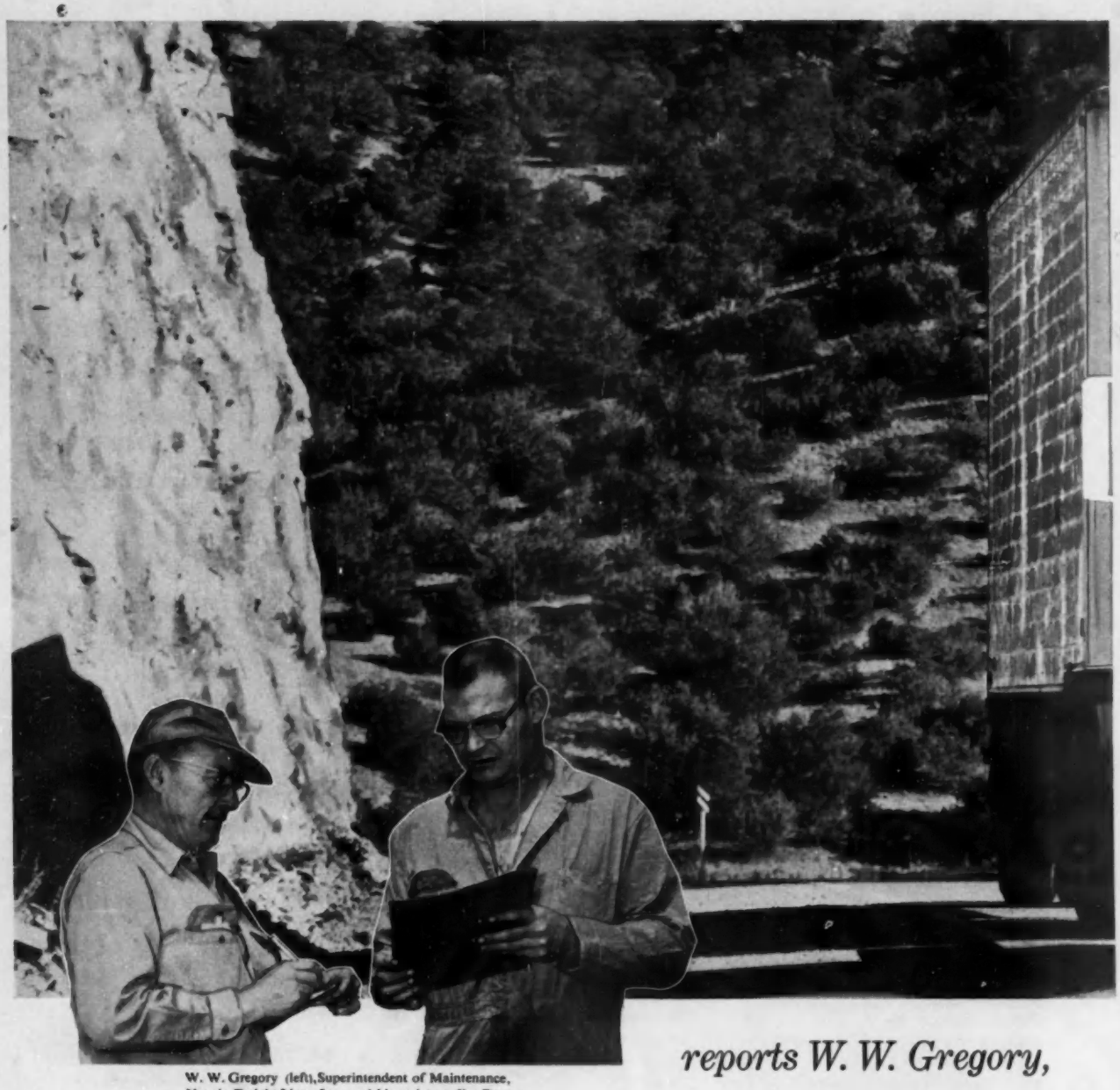
Jordan Electrical Products Div
Kennedy Service Tools Co
King Electric Equipment Co
Marquette Mfg Co Div
Mercury Electric Corp

MOBIL OIL CO

Simpson Electric Co

SNAP-ON TOOLS CORP

Star Products Co



W. W. Gregory (left), Superintendent of Maintenance, Navajo Freight Lines, Inc., and his assistant, Jim Brown.

reports W. W. Gregory,

When you haul up to 70,000 lbs. GCW on tough cross-country runs—get up to 6 miles per gallon—and are still going strong after 265,000 miles without overhaul—that's profitable performance!

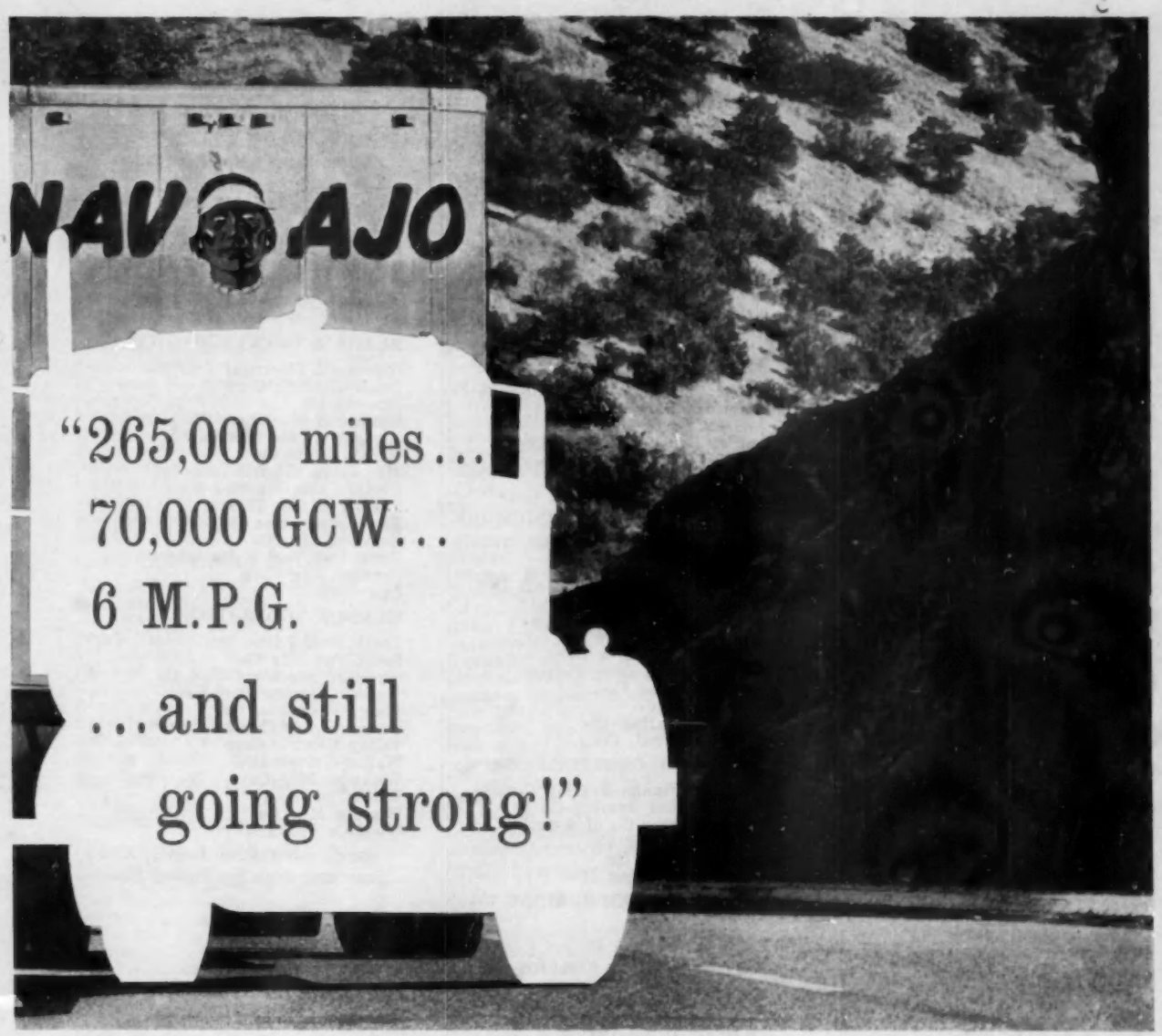
And that's the kind of performance W. W. Gregory, Superintendent of Maintenance of Navajo Freight Lines, Inc., reports on his oldest "6-71" powered rig. And he has the facts to prove it.

For Mr. Gregory checks his truck performance trip by trip, day by day, month by month – knows exactly what kind of records his Diesels are turning in.

Navajo got their first "6-71" Diesel-powered rig in 1958; now use these engines to power three different makes of trucks and currently have several more on order.

If you're not satisfied with the mileage you're getting—per gallon, between overhauls, or both—why not take a look at a Series 53 or 71 truck model of the All-

SERIES 53 AND 71 TRUCK MODELS of the



Superintendent of Maintenance, Navajo Freight Lines, Inc.

Purpose Power Line? You'll find there's a "V" or "in-line" model to power virtually any truck in your fleet.

When you're in the market for new trucks, be sure and ask for Series 71 Diesel Power. And if you are re-powering your present equipment, see your GM Diesel distributor—he's part of a coast-to-coast network of "engine people" you'll find in the Yellow Pages under "Engines, Diesel"—or write for your copy of the 8-page book describing Series 53 and 71 truck models of the All-Purpose Power Line.

DETROIT DIESEL ENGINE DIVISION
GENERAL MOTORS, DETROIT 28, MICHIGAN
In Canada: GENERAL MOTORS DIESEL LIMITED, London, Ontario
Parts and Service Worldwide

ALL-PURPOSE POWER LINE set the standard of diesel productivity

● More details? Circle 140 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

BEARINGS TO BODIES

BATTERY TESTERS—*continued*

SUN ELECTRIC CORP

TRIPLE-A SPECIALTY CO

Tungsten Mfg Co
Weidenhoff Corp

WILLARD STORAGE BATTERY DIV ELECTRICAL STORAGE BATTERY CO

Wilson Inc K R

BATTERY TOOLS *See Tools, Hand*

BEARINGS

BEARINGS, Ball

Aetna Ball & Roller Bearing Co Div
American Ball Bearing Co
Andrew Parts Mfg Co
Andrews Bearing Co
Automotive Thrust Bearings Corp
Ball & Roller Bearing Co

BEARINGS CO OF AMERICA DIV

Boston Gear Works Div
Burgess-Norton Mfg Co
Fafnir Bearing Co
Federal Bearings Co

FEDERAL-MOGUL SERVICE DIV

General Pressed Metal Corp
Gilpak Automotive Products Div
Green Ball Bearing Co
Gwilliam Co
Hoover Ball & Bearing Co
International Parts Corp
Kaydon Engineering Corp
L & S Bearing Co
McGill Mfg Co
Majestic Bearing Div
Marlin-Rockwell Corp
Master Parts Div
Motor Master Products Corp
New Departure Div
Nice Ball Bearing Co
Norma-Hoffmann Bearings Corp
SKF Industries Inc
Schatz Mfg Co
Split Ballbearing Div
Stephens-Adamson Mfg Co
Thomson Industries Inc
Torrington Co
Transit Parts Co

UNITED MOTORS SERVICE

Wagner Mfg Co E R

BEARINGS, CLUTCH THROWOUT *See Clutch Throwout Bearings*

BEARINGS, Crankshaft & Camshaft

Allison Div
Aluminum Industries Inc

CLEVELAND GRAPHITE BRONZE DIV

CLEVITE SERVICE

DELCO MORAINE DIV

Dura-Bond Engine Parts Co

FEDERAL-MOGUL SERVICE DIV

FORD DIV FORD MOTOR CO

GREY-ROCK DIV

Johnson Bronze Co

McQUAY-NORRIS MFG CO

Shepard-Thomason Co
Thompson Products Replacement Div
Toledo Steel Products Div
Transit Parts Mfg Co

BEARINGS, Roller

Aetna Ball & Roller Bearing Co Div
American Ball Bearing Co
Andrew Parts Mfg Co
Ball & Roller Bearing Co

BOWER ROLLER BEARING DIV

Cleveland Steel Products Corp

FEDERAL-MOGUL SERVICE DIV

FORD DIV FORD MOTOR CO

Geneva Metal Wheel Co
Gilpak Automotive Products Div
Gwilliam Co
Hoover Ball & Bearing Co
Hyatt Bearings Div
International Parts Corp
Kaydon Engineering Corp
L & S Bearing Co
McGill Mfg Co
Majestic Bearing Div
Marlin-Rockwell Corp

MOPAR DIV CHRYSLER CORP

Norma-Hoffmann Bearing Corp
Orange Roller Bearing Co
Roller Bearing Co of America
Rollway Bearing Co
SKF Industries Inc
Split Ball Bearing Div

TIMKEN ROLLER BEARING CO

Torrington Co
Tyson Bearing Co Div

UNITED MOTORS SERVICE

BEARING ALIGN BORERS

AMMCO TOOLS INC

Cedar Rapids Engrg Co
Drillmation Co
Lempco Products Inc
Storm-Vulcan Inc

SUNNEN PRODUCTS CO

Tobin-Arp Mfg Co
Winona Tool Mfg Co

BEARING PACKERS

Alemite Div
Bennett-Feragen

GRAY CO

Plews Oiler Inc
Turk Co Wm

BEARING PULLERS *See Pullers*

BEARING WEAR TESTERS

Auto-Test Inc
Bennett-Feragen Inc

FEDERAL-MOGUL SERVICE DIV

KENT-MOORE ORGANIZATION INC

McQUAY-NORRIS MFG CO

BEARING REAMERS *See Reamers Main & Con Rod Bearing*

BELT DRIVES FOR REAR AXLES *See Axle Belt Drive Adapters*

BELTS, FAN *See Fan Belts*

BELTS, SAFETY *See Seat Belts*

BENCHES, ELECTRIC TEST *See Testers, Electrical*

BENCH GRINDERS

ALBERTSON & CO

Atlas Press Co
Baldor Electric Co

BLACK & DECKER MFG CO

Cincinnati Electrical Tool Co
Doerr Electric Corp
Dumore Co
Hammond Machinery Builders Inc
Hisey-Wolf Machine Co Div
Millers Falls Co
Milwaukee Electric Tool Co
Porter-Cable Machine Co
Prosser & Son Thomas
Remington Arms Co
Rockwell Mfg Co
Royal Oak Tool & Machine Co
Schauer Mfg Corp
Skil Corp

SNAP-ON TOOLS CORP

South Bend Lathe Inc
SpeedWay Mfg Co
Standard Electrical Tool Co
Stanley Electric Tool Div
Thor Power Tool Co
United States Electrical Tool Co
Valley Electric Corp
Walker-Turner Div
Wickman Mfg Co
Wilson Inc K R
Wissota Mfg Co
Wood Co Frank N

BENCH LATHES *See Lathes, Bench*

BENDERS, TUBE *See Tubing Benders*

BINS, Parts Storage

Akro-Mils Inc

ALAN WOOD STEEL CO

Bathey Mfg Co
Bay Products
Berger Div
Bernard Franklin Co
Borroughs Mfg Co
DeLuxe Metal Furniture Co
Dolin Metal Products Inc Mobile Storage Div
Equipto Div
Factory Service Co
Fort Steuben Metal Products Co
Frick-Gallagher Mfg Co
Frontier Mfg Co
Heller & Co W C
Lyon Metal Products Inc
Midland Mfg Inc
Myers Tire Supply Co
Neiman Steel Equipment Co
Renie Metal Products Corp
Steinwachs Safety Supply
Supreme Steel Equip Co
Union Metal Mfg Co

BLEEDERS, HYDRAULIC BRAKE *See Brake Bleeders*

BODIES

BODIES, Ambulance & Funeral

BOYERTOWN AUTO BODY WORKS INC

Cook Body Co
Eureka Co
Franklin Body & Equipment Corp
Hesse & Eisenhardt Co
Miller Div
National Body Mfg Co
Standard Carriage Works Inc

BODIES, Commercial

ALF Herman Corp
Allegheny Body Co
Aluminum Body Corp
American Body & Equipment Co
American Body & Trailer Inc
American Fire Apparatus Co
American Truck Body Co
Andrews Industries Inc
Ansted Corp
Arkansas Machine Specialty Co
Astoria Body Corp
Auto Body Works
Badger Body Mfg Co
Baker Equipment Engrg Co
Baker Trailer & Body Co
Baltimore Body Corp
Barkow Co H
Barrentine Mfg Co
Barry & Baily Co

BARTLETT TRAILER CORP

Batavia Body Co
Baughman Mfg Co
John Bean Div
Bedell Trailer Co
Belgrade Wagon Works
Belmont Body Builders
Black & Sons Inc Adam
Boardman Co
Body Builders Inc
Bolick Sons Co Jerome
Born & Sons Inc Herman N

BOYERTOWN AUTO BODY WORKS INC

BROWN TRAILER DIV

Brown Truck & Trailer Mfg Co
Brunswick Body Wks
C & C Trailer & Body Co
Cato Trailer Service Co
Central Fire Truck Corp
Chain Belt Co
Challenge-Cook Bros Inc
Checker Motors Corp
Clark Co B M

CLARK EQUIPMENT CO

Clayson-Lorenz Co
Cliffside Body Corp
Coby Corp
Collins & Associates Inc
Commercial Body Corp
Cook Body Co
Copco Trailers Div
Crown Body & Coach Corp
Cutler Metal Products Co
Daybrook Hydraulic Div
De Hart & Sons H A
DeKalb Commercial Body Corp
Diehl & Sons Inc

DORSEY TRAILERS INC

Eight Point Trailer Co
Elder Trailer & Body Inc
Evans Mfg Co
Feigelson Co Alex
Finnesey Body Co
Fox Body Co
Franklin Auto Body & Equipment Corp

FRUEHAUF TRAILER CO

G & G Mechanical Co
Gar Wood Industries Inc
General Body Mfg Co
General Body Sales Corp
General Supply Co
Gentry Body & Trailer Co
Gertenslager Co
Giant Mfg Co
Gichner Iron Works Inc Fred S
Gindy Mfg Co
Grant Body Mfg Corp
Great Dane Trailers Inc
Hackney Bros Body Co
Hackney & Sons J A
Harrisburg Truck Body Co
Heil Co
Hercules Galion Products Inc (transit concrete mixers)
Hesse Carriage Co
Hewitt-Lucas Body Co Inc
Hews Body Co

HIGHWAY TRAILER CO

Hobbs Trailers Div
Hoffman Auto Body Service Inc
Holby Body Co E
Hooper Body Corp
Hubbard Mfg Co
Hughes-Keenan Div
Hydro E-Z Pack Div (refuse removal)
Industrial Steel Tank & Body Works Inc
Ingersoll Kalamazoo Div
Jannell & Son Body Co
Jefferson Body Co
Johnson Welding & Mfg Co
Kennedy Mfg Co
Kensington Wagon Works
Kentucky Mfg Co
Ketter Truck Bodies
Kewanee Mfg Co
Keystone Trailer & Equipment Co
Keystone Wagon Works Inc
Kingham Trailer Co
Klein Body Co
Knapheide Mfg Co
Koch & Son Mfg Co
Koenig Iron Works
Koerner Sons Inc John
Lacey & Sons Co W F
Lang Co
Leland Equipment Co
Lindsay Structure Div

LYNCOACH & TRUCK CO INC

Maday Body & Equipment Corp
M-B Corp
Marion Body Works
Mayer Body Corp
McCabe-Powers Auto Body Co
Meeks Son S J
Mercury Aircraft Inc
Metalco Body Works
Mickey Body Co W F
Midwest Body & Mfg Div
Miller-Meteor Motor Car Div
Miller Trailers Inc
Millington Truck Body Co
Minneapolis Freeman Mfg Co
Modern Auto Body Builders Co
Moline Body Co
Montgomery Co E R
Montpelier Mfg Co

MORRISON STEEL PRODUCTS INC

Morse Body Mfg Co
Morysville Body Works Inc
Municipal Supply Co
Murphy Body Works Inc
Nabors Trailers Div
National Truck Equipment Co
New Haven Carriage & Auto Works
Niederhut Carriage Co
Nogues Body Co
Novelty Carriage Works Inc
Ohio Body Mfg Co
Olsen & Son R P
Olson Corp J B E
Olson & Son Inc
Omaha Body & Equipment Co
Omaha Standard
Oneida Products Div
Oneida Div Marmon-Herrington Co

PAGE & PAGE CO

Pak-Mor Mfg Co
Penn Body Div
Pirsch & Sons Co Peter
Premier Mfg Co Inc
Providence Body Co
Quitslund Bodies & Equipment
R B Co
Reliance Trailer & Truck Co
Remke Inc
Roadway Mounting & Equip Co
Rock Hill Body Co
Santeler Bros
Scammell & Sons
Schayer & Badinger Inc
Schnabel Co S
Schodorf Body & Equipment Co
Sharpsville Steel Fabricators Inc
Sherman & Co Earl
Silver Body Works Inc
Soffe & Son Morris
Southern Coach & Body Co
Standard Auto Body Co
Standard Carriage Works Inc
Steffen Body Co O F
Stoughton Cab & Body Co

STRICK TRAILERS DIV

Superior Auto Inc

SUPERIOR COACH CORP

Superior Truck & Body Co
Swab Wagon Co
TEC Div Heil Co
Theurer Wagon Works Inc
Thiele & Sons Inc W J
Thomas & Co Peter
Thompson Trailer Corp
Timpte Bros Inc
Towner Mfg Co
Tradewind Industries Inc
Trailco Mfg & Sales Co
Travelodge Corp
Triangle Body Works
Truck Equipment Co
Truck Parts & Equipment Inc
Truck Welding & Equipment Co
Union City Body Co

UNISTEEL BODY CO

Utility Trailer Mfg Co
Veenema & Wiegers Inc
Wade & Dunton Inc
Wall Mfg Co
Ward Motor Vehicle Co
Warner Commercial Body Inc
Wayne Works Div
Weber Trailer & Mfg Co
Weir Body Co
Wentworth & Irwin Inc
Weston Dump Body Co
Williamsen Body & Equipment Co
Winter-Weiss Co
Yancey Bros
Yankee Motor Bodies Corp
York-Hoover Corp Body Div

BODIES, Commercial Prefabricated

Aluminum Body Corp
Andrews Industries Inc
Black & Sons Inc Adam

BROWN TRAILER DIV

Brunswick Body Works

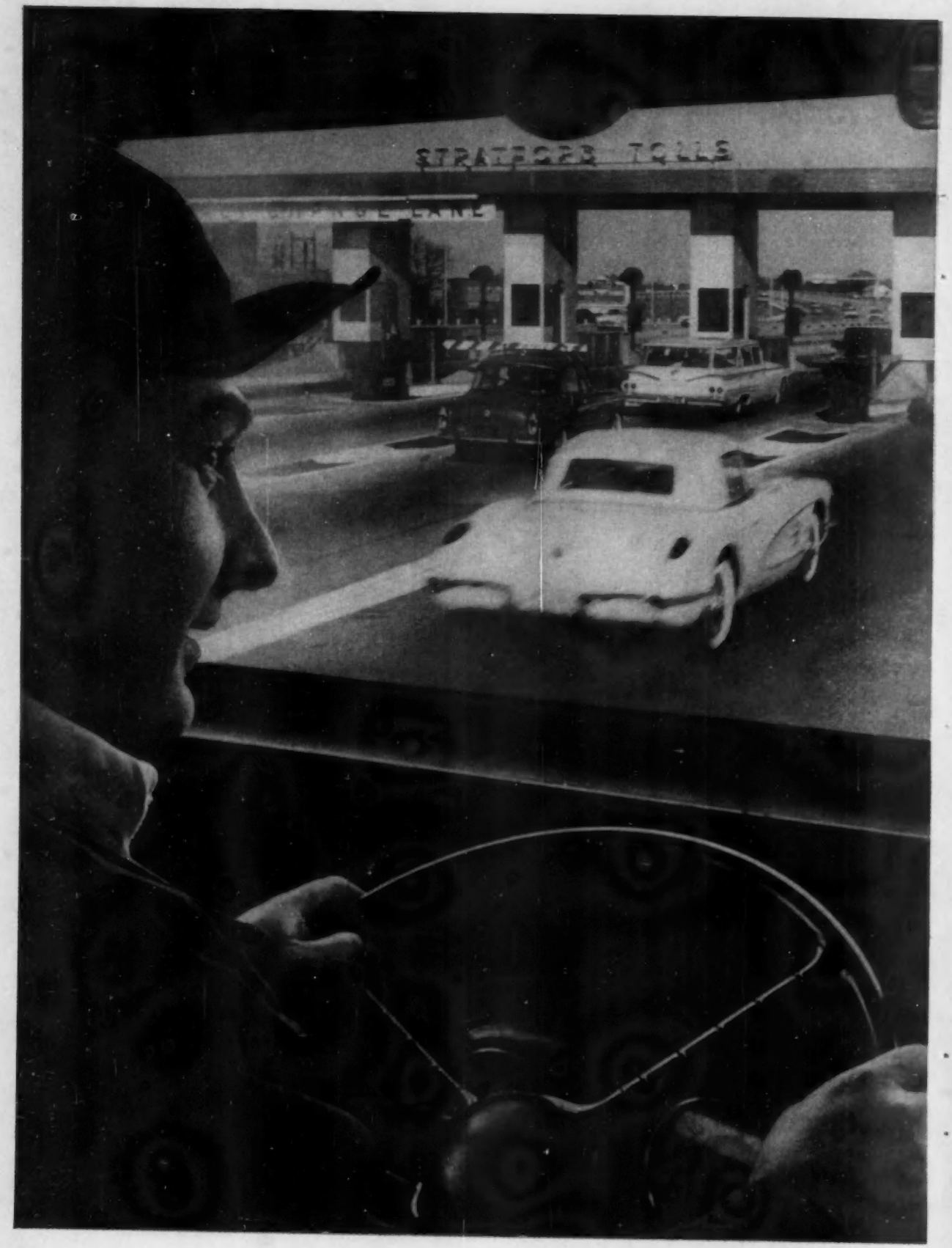
BUDD CO THE

Collins & Associates Inc
De Hart & Son H A

FRUEHAUF TRAILER CO

Gichner Iron Works Inc Fred S
Hewitt-Lucas Body Co Inc
Hews Body Works
Lindsay Structure Div

LYNCOACH & TRUCK CO


STRATFORD TOLLS

Gain more miles per mill with J-M Brake Blocks!

...Longer Service Life Results from J-M's Skillful Compounding, Molding and Press-Curing Techniques

If you can drop just a *fraction of a penny* from your cost-per-mile ratio, your payload profits will take a healthy jump. Here's one sure way to achieve this cost improvement: Johns-Manville Brake Blocks.

J-M Brake Blocks will give you the optimum performance that delivers thousands of added miles of safe . . . sure . . . low-cost stops. Their long, dependable service life results from more than 50 years of J-M experience in compounding, molding and press-curing friction materials.

Many fleet operators have already discovered the valuable dividends gained by using Johns-Manville Brake Blocks. How about you?

J-M BRAKE BLOCKS OFFER THESE IMPORTANT ADVANTAGES:

FIELD SERVICE. To guarantee you the most for your trucks, J-M has a free Brake Advisory Service. A J-M friction expert will study every vehicle in your fleet . . . then recommend the block, or combination of blocks, with the precise friction level you need for maximum mileage at minimum cost-per-mile.

RED FOR TRUCKS. J-M Brake Blocks are color-coded for quick identification. This coding eliminates installation mistakes. Every time, simply by following the color-coding, the right blocks get to the right spot.

PERFORMANCE. These dependable asbestos blocks deliver uniform friction balance on all four wheels, under all weather and temperature conditions. There's no fading; recovery is fast. No glazing, scoring or heat checking of brake drums.

AVAILABILITY. Fast service and immediate availability in any quantity from your J-M Distributor.

For full information, write to Johns-Manville Brake Advisory Service, Box 14, New York 16, N. Y. In Canada: Port Credit, Ontario.

COLOR-CODED FOR EASY IDENTIFICATION!

Style No. 2500 RED
—high friction range for Trucks

Style No. 2300 YELLOW
—medium friction range for Buses

Style No. 2100 GREEN
—low friction range for longest life

JOHNS-MANVILLE
BRAKE BLOCKS

JOHNS-MANVILLE JM PRODUCTS

● More details? Circle 141 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

BODIES TO BRAKES

BODIES, Prefabricated—*continued*

Mayer Body Corp
MORRISON STEEL PRODUCTS INC
PARISH PRESSED STEEL CO
Pierce Auto Body Works Inc
PREMIER MFG CO
Servall Truck Body Mfg Co
Standard Carriage Works Inc
Thiele & Sons Inc W J
Timpte Bros Inc
Warner Commercial Body Inc

BODIES, Concrete Mixer

Chain Belt Co
Construction Machinery Co
Jaeger Machine Co

BODIES, Dump

(See also Trucks, Dump—Construction & Off Highway)

Aluminum Body Corp
Anthony Co
Auto Truck Steel Body Co
Baughman Mfg Co
Black & Sons Inc Adam
Body Builders Inc
Challenge-Cook Bros Inc
Clark Co B M
Converto Mfg Co
Daybrook Hydraulic Div
Dempster Bros Inc
Easton Car & Construction Co
Feigelson Co Alex
FONTAINE TRUCK EQUIPMENT CO
Galion Allsteel Body Co
Gar Wood Industries Inc
Gichner Iron Works Inc Fred S
Hercules Steel Products Co
Hobbs Trailers Div
Independent Iron Works
Koenig Iron Works
Lang Co
Leach Co
Lodestar Corp
Marion Metal Products Co
Mayday Body & Equipment Co
Mayer Body Corp
Montgomery Co E R
National Truck Equipment Co
Ontario Equipment Inc
Penn Body Div
Perfection Steel Body Co
Providence Body Co
Roadway Mounting & Equip Co
Schnabel Co S
Sicard Industries Inc
Standard Auto Body Co
Standard Carriage Works Inc
Superior Auto Inc
Superior Metal Products Inc
TEC Div Heil Co
Thiele & Sons Inc W J
Thomas & Co Peter
Timpte Bros Inc
Tradewind Industries Inc
Truck Engineering Co
Truck Equipment Co
Truck Welding & Equipment Co
Unit Rig & Equipment Co
Weston Dump Body Co
Williamsen Body & Equipment Co
Woeber Auto Body Mfg Co

BODIES, Public Utility

Allegheny Body Co
Auto Body Works
Baker Equipment Engrg Co
Barkow Co H
Black & Sons Inc Adam
Cook Body Co
Crown Steel Products Co
Delphi Body Works
Gichner Iron Works Inc Fred S
Gordon Metal Products Co
Grant Body Mfg Corp
Hackney Bros Body Co
Hobbs Trailers Div
HIGHWAY TRAILER CO
Holan Corp J H
INTERNATIONAL HARVESTER CO MOTOR TRUCK DIV
Kiley Co James A
Klein Body Co
Koenig Iron Works Inc
McCabe-Powers Auto Body Co
MORRISON STEEL PRODUCTS INC
Morysville Body Works Inc
National Truck Equipment Co
Novelty Carriage Works Inc
Omaha Body & Equipment Co
Pierce Auto Body Works Inc
Reading Body Works Inc
Stahl Metal Products Inc
Standard Carriage Works Inc
Superior Auto Inc
Talbert Trailers Inc
Tel-E-Lect Products Inc
Thompson Trailer Corp
Transport Products Co
Truck Engrg Co
Utility Tool & Body Co
Warner Comercial Body Inc
Weir Body Co
Williamsen Body & Equipment Co
Yankee Motor Bodies Corp
York-Hoover Corp Body Div

BODIES, TANK *See Tanks, Trailer & Truck Body*

BODIES, WRECKER *See Wreckers*

BODY HARDWARE

Adams & Westlake Co
American Forging & Socket Co
Attwood Brass Works Inc
Atwood Vacuum Machine Co
Auto Vehicle Parts Co
Barkow Co H
BINKLEY MFG CO
Black & Sons Inc Adam
Bordner Mfg Co
Bowen Products Corp
Cinch Mfg Co
Consolidated Metal Products Inc
Croname Inc
Decker Co Richard M
DORMAN PRODUCTS INC
Dura Div
EBERHARD MFG CO DIV
Ferro Stamping Co
GENERAL LOGISTICS DIV AEROQUIP CORP
HANSEN MFG CO A L
Hartwell Aviation Supply Co
Hoof Co C M
Kason Hardware Corp
Kneuer Tail Board Co
MINER INC W H
Polar Hardware Mfg Co
PORTER CO H K FORGE & FITTINGS DIV
Rockford Metal Products Inc
Servwell Products Co
Standard Carriage Works Inc
Stanley Works Pressed Metal Div
Tompkins H S
Wagner Mfg Co
Yale & Towne Mfg Co

BODY HOISTS (For Dump Bodies)

Anthony Co
Barkow Co H
Cemco Industries Inc
Challenge-Cook Bros Equipment Co
Collins & Associates Inc
Converto Mfg Co
Cresci & Son Inc
Daybrook Hydraulic Div
Douglas Motors Corp
Galion Allsteel Body Co
Gar Wood Industries Inc
Hobbs Trailers Div
Ingersoll Kalamazoo Div
Little Giant Products Inc
Lundell Mfg Co
Maish Co Jay H
Marion Metal Products Co
Minneapolis Freeman Mfg Co
Omaha Body and Equipment Co
Omaha Standard
Ontario Equipment Inc
Penn Body Div
Perfection Steel Body Co
Portable Elevator Mfg Co
Schwartz Mfg Co
Shaw Box Crane & Hoist Div
Standard Carriage Works Inc
TEC Div Heil Co
Thiele & Sons Inc W J
Timpte Bros Inc
Tradewind Industries Inc
Travelodge Corp
Truck Engrg Co
Weston Dump Body Co
Wisconsin Hydraulics Inc

BODY PARTS, Pre-Shaped

(See also Body Hardware)

ALUMINUM CO OF AMERICA
Anzick Auto Body Parts Co
BEW Co
Bath & Co Cyril Metal Form Div
BINKLEY CO
Boardman Co
BUDD CO
Carpenter Body Works Inc
Crown Steel Products Co
Cutler Metal Products Co
DEK Mfg Co
DANA CORP
General Body Mfg Co
HOLAN CORP J H
Hoof Co C M
KINNEAR MFG CO
Kirk & Blum Mfg Co

Lindsay Structure Div
Mayday Body & Equipment Co
Met-L-Wood Corp
Midwest Body & Mfg Div

MINER W H INC

Molded Fiber Glass Body Co
Nash Bros Co

PARISH PRESSED STEEL DIV

Perfection Automotive Products Corp

PORTER CO H K FORGE & FITTINGS DIV

Randall Co

REVERE COPPER & BRASS INC

Rex Metal Parts Co
Schofield Mfg Co
Schott Metal Products Co
Seiberling Rubber Co Plastics Div
Servwell Products Co
Standard Carriage Works Inc
Stoutco Inc
Truck-A-Door Co
Williamsen Body & Equipment Co
Youngstown Steel Car Corp

BODY POLISH *See Polish & Wax (Body)*

BODY REPAIR COMPOUNDS

Atomized Materials Co
Baird Dynamic Corp Plastics Div
Bonded Products Inc
Boyle-Midway Div
Devcon Corp

DITZLER COLOR DIV

Dynatron Corp
Econite Miracle Products Inc
Fibre Glass Evercoat Co Inc
Gates Engineering Co
Hollingshead Corp R M
International Metal Polish Co
Jaycee Chemical Corp
McKay Co

MARSON CORP

Martin-Senour Co
Minnesota Mining & Mfg Co
Monroe Co Inc

MOPAR DIV CHRYSLER CORP

Oatey Co L R
Ren Plastics Inc
Ruscoe Co W J
Sheffield Bronze Paint Corp

SHERWIN WILLIAMS CO

Swiss Laboratory
Taylor & Art Plastics Inc
Unican Plastics Co Inc
Woodhill Chemical Sales Corp

BODY SEALING COMPOUNDS

American Sealants Co
Arco Co
Day & Co James B
Dennis Chemical Co
Flintkote Co
Gates Engineering Co
Hollingshead Corp R M

JOHNS-MANVILLE

Kano Laboratories
Magic Iron Cement Co Inc
Magnus Chemical Co Inc
Miracle Power Products Corp

MOPAR DIV CHRYSLER CORP

Parr Paint & Color Co
Ruscoe Co W J

SHERWIN-WILLIAMS CO

Turco Products Inc
White & Bagley Co
Wilbur & Williams Co Inc

BODY SOLDERS

All-State Welding Alloys Co
Alpha Metals Inc
American Brass Co Waterbury Brass Goods Branch
American Platinum Works
Atomized Materials Co
Belmont Smelting & Refining Works
Bohn Aluminum & Brass Corp
Bunker Hill Co
Division Lead Co
Dunton Co M W
Dynatron Corp Plastics Div
Empire Metal Co
Farrelloy Co
Federated Metals Div
Greenleaf Corp
Handy & Harmon
Hewitt Metals Corp
Kester Solder Co
Lenk Mfg Co
Life-Kote Plastics Corp
Marquette Mfg Co

MARSON CORP

MINNESOTA MINING & MFG CO

MOPAR DIV CHRYSLER CORP

National Lead Co
New York Solder Co
North American Smelting Co
Park Chemical Co
Presstite-Keystone Engrg Products Co
Press Work Inc Lead Alloy Products Div
Ren Plastics Inc
River Smelting & Refining Co
Ruscoe Co W J

SHERWIN-WILLIAMS CO

Swiss Laboratory
Unican Plastics Co Inc
United American Metals Corp
Wayne Chemical Products Co
Westinghouse Electric Corp
Woodhill Chemical Sales Corp

BODY TOOLS *See Tools, Body*

BODY UNDERCOATINGS *See Undercoatings*

BONDERS, BRAKE LINING *See Brake Bonders*

BONDING COMPOUNDS, BRAKE *See Brake Bonding Compound*

BOOTHS, PAINT SPRAY *See Paint Spray Booths*

BORING BARS (Cylinder)

AMMCO TOOLS INC

CEDAR RAPIDS ENGINEERING CO

Ex-Cell-O Corp
Lempco Products Inc
Moline Tool Co
Rivett Inc
Storm Vulcan Inc
Sundstrand Machine Tool Div

SUNNEN PRODUCTS CO

VAN NORMAN INDUSTRIES INC

Wesson Co
Wilson Inc K R

BORING MACHINES *See Bearing Align Borers or Piston Pin Bushing Boring Machines*

BRAKES

BRAKES, Air Systems & Parts

(See also Brake Emergency Systems & Valves)

Apex Reinforced Plastics (plastic tank)

AUTO SPECIALTIES MFG CO

BENDIX PRODUCTS DIV

BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO

Berg Mfg & Sales Co

CUMMINS ENGINE CO

DELCO MORAINE DIV

EATON MFG CO

Fawick Brake Div

HOPPENSTAND MOTORS INC

HYDRO-AIRE DIV CRANE CO

IMPERIAL BRASS MFG CO

Industrial Steel Tank & Body Works Inc

KELSEY-HAYES CO

MGM BRAKES INC

MIDLAND ROSS CORP OWOSSO DIV

Power Brake Equipment Co

ROCKWELL-STANDARD CORP BRAKE DIV

Sealco Air Brakes Inc

SHULER AXLE CO

THERMOID DIV

Transit Parts Co
Transport Industries Inc
United Parts Mfg Div
Velvac Inc

WAGNER ELECTRIC CORP

WEATHERHEAD CO FORT WAYNE DIV

BRAKES, Compression Exhaust

Fawick Brake Div

Power Brake Equipment Co

BRAKES, Electric Systems & Parts

EATON MFG CO

Fawick Brake Div

KELSEY-HAYES CO

Power Brake Equipment Co
Sealco Air Brakes Inc
Warner Electric Brake & Clutch Co

BRAKES, Foundation

AMERICAN CHAIN & CABLE CO AUTOMOTIVE & AIRCRAFT DIV

AUTO SPECIALTIES MFG CO

BENDIX PRODUCTS DIV

Fawick Brake Div

KELSEY-HAYES CO

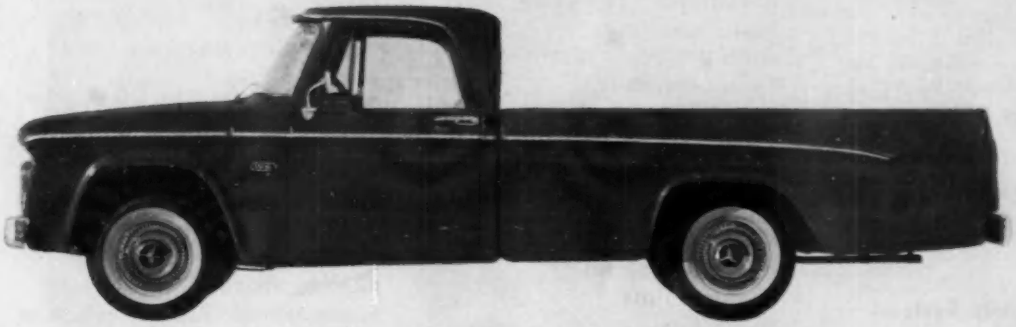
ROCKWELL STANDARD CORP BRAKE DIV

SHULER AXLE CO

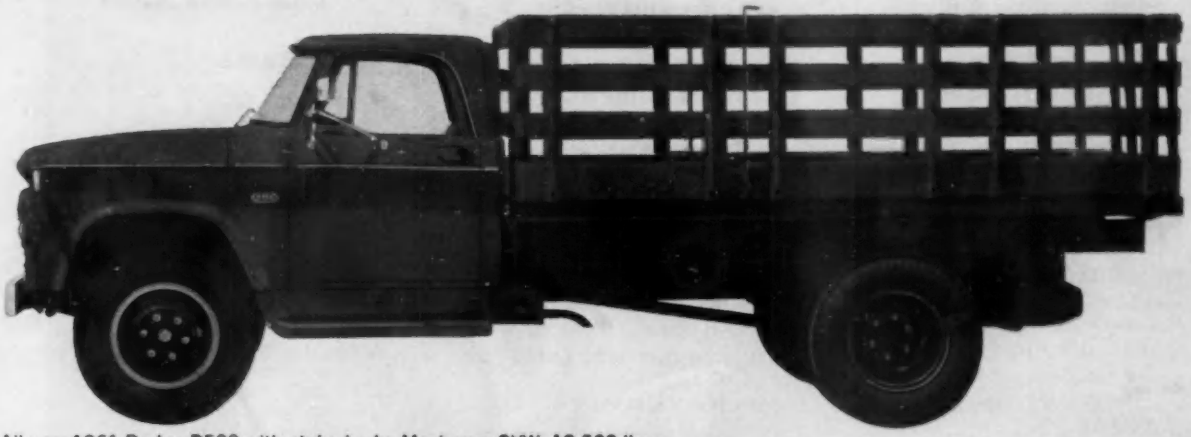
WAGNER ELECTRIC CORP

Warner Gear Div

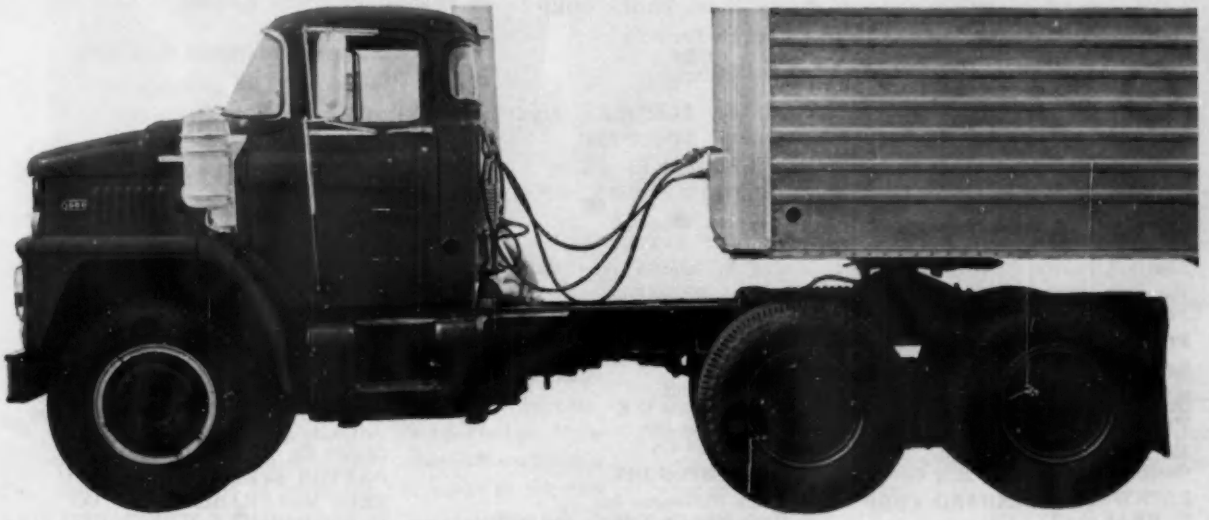
You're looking at a tough gang of trucks, tight-fisted, easy-riding 1961 Dodges. And, Mister, they're new right down to the last wheel stud. Loaded with muscle, hustle and money saving ways. Now priced to compete with any truck coming or going. Gasoline and diesel-powered. Rated from 4300 lbs. GVW to 76,800 lbs. GCW. There's a '61 Dodge that'll do better on your job than anyone's done before. Get it. Then work the pants off it for next to nothing. See your Dodge dealer now!



All-new 1961 Dart ½-ton pickup, the first and only truck with compact-economy. Available with 6½′ and 8′ Sweptline pickup bodies. GVW to 5,100 lbs.



All-new 1961 Dodge D500 with stake body. Maximum GVW, 19,500 lbs. 318 and 361 cu. in. V8's or 251 cu. in. 6-cylinder engines available.



1961 Dodge NCT1000 tandem tractor with 743 cu. in., 220 gross h.p. Cummins diesel engine standard. Maximum GCW, 76,800 lbs.

Dodge builds tough trucks.

A PRODUCT OF CHRYSLER CORPORATION

● More details? Circle 142 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

BRAKES, HYDRAULIC TO BRAKE DRUMS

BRAKES, Hydraulic Systems & Parts

AUTO SPECIALTIES MFG CO
BENDIX PRODUCTS DIV
Coni Seal Brake Parts Div
DELCO MORAINE DIV
EIS AUTOMOTIVE CORP
Fawick Brake Div
FRANK-DEWEY CO
GATES RUBBER CO AUTOMOTIVE DIV
KELSEY-HAYES CO
Lisle Corp
MGM BRAKES INC
Martin Co Glenn L
Minnesota Automotive Inc
MOPAR DIV CHRYSLER CORP
Power Sales Corp
ROCKWELL-STANDARD CORP BRAKE DIV
SIGNAL-STAT CORP
THERMOID DIV
Transport Industries Inc Brake Div
United Parts Div
Velvac Inc
WAGNER ELECTRIC CORP
WEATHERHEAD CO FORT WAYNE DIV

BRAKES, Parking

AMERICAN CHAIN & CABLE CO AUTOMOTIVE & AIRCRAFT DIV
BENDIX PRODUCTS DIV
Berg Mfg & Sales Co
Fawick Brake Div
FORD DIV FORD MOTOR CO
HOPPENSTAND MOTORS INC
HYDRO-AIRE DIV
MGM BRAKES INC
Minnesota Automotive Inc
Orscheln Brake Lever Mfg Co
ROCKWELL STANDARD CORP BRAKE DIV
Transport Industries Inc Brake Div
WAGNER ELECTRIC CORP

BRAKES, Vacuum System & Parts

Airtex Products Inc
BENDIX PRODUCTS DIV
DELCO MORAINE DIV
EATON MFG CO
EIS AUTOMOTIVE CORP
Fawick Brake Div
FORD DIV FORD MOTOR CO
Frank-Dewey Co
GATES RUBBER CO
KELSEY-HAYES CO
MIDLAND ROSS CORP OWOSSO DIV
MOPAR DIV CHRYSLER CORP
Power Brake Equipment Co
SHULER AXLE CO
THERMOID DIV
Transit Parts Co
United Parts Div
Velvac Inc

BRAKE ADJUSTERS

Accurate Products Inc
AMMCO TOOLS INC
BARRETT EQUIPMENT CO
BENDIX PRODUCTS DIV
BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
Brakemaster Corp
EIS AUTOMOTIVE CORP
Fawick Brake Div
K-D MFG CO
KELSEY-HAYES CO
Kennedy Service Tools Co
KENT-MOORE ORGANIZATION INC
OWATONNA TOOL CO
Perfection Automotive Products Corp
Proto Tool Co
Quality Tools Corp
SNAP-ON TOOLS CORP
Transit Parts Co
Vaco Products Co
Velvac Inc

BRAKE BLEEDERS, Hydraulic

AMMCO TOOLS INC
Arsco Mfg & Sales Corp
BARRETT EQUIPMENT CO
Bennett-Feragen
Coni Seal Brake Parts Div
EIS AUTOMOTIVE CORP
Fawick Brake Div
Grigg Specialty Tools
KENT-MOORE ORGANIZATION INC
Manzell Unit
Niehoff & Co C E
Plews Oiler Inc
Proto Tool Co
RAYBESTOS DIV
Rinck-McIlwaine Inc
Rush Mfg Co E S
SNAP-ON TOOLS CORP
United Parts Div
WAGNER ELECTRIC CORP
Wesley Mfg Co

BRAKE BLOCKS *See Brake Lining*

BRAKE BONDERS

BARRETT EQUIPMENT CO
GREY-ROCK DIV
Grizzly Brake Div
Lapeer Mfg Co
MOPAR DIV CHRYSLER CORP
Permafuse Corp
Southern Friction Materials Co
THERMOID DIV

BRAKE BONDING COMPOUNDS

ARMSTRONG CORK CO
BARRETT EQUIPMENT CO
Permafuse Corp
RAYBESTOS DIV
Raybestos-Manhattan Inc Equip Sales Div

BRAKE BOOSTERS, VACUUM *See Brake Vacuum Systems*

BRAKE CABLE

AMERICAN CHAIN & CABLE CO AUTOMOTIVE & AIRCRAFT DIV
BENDIX PRODUCTS DIV
Bergen Wire Rope Co
EIS AUTOMOTIVE CORP
Fawick Brake Div
FORD DIV FORD MOTOR CO
Lisle Corp Automotive Div
MIDLAND ROSS OWOSSO DIV
Miley Co L J
Milwaukee Spring Co Div
Orscheln Brake Lever Mfg Co
Roebling's Sons Corp John A
Teleflex Industrial Products Inc
UNITED PARTS DIV

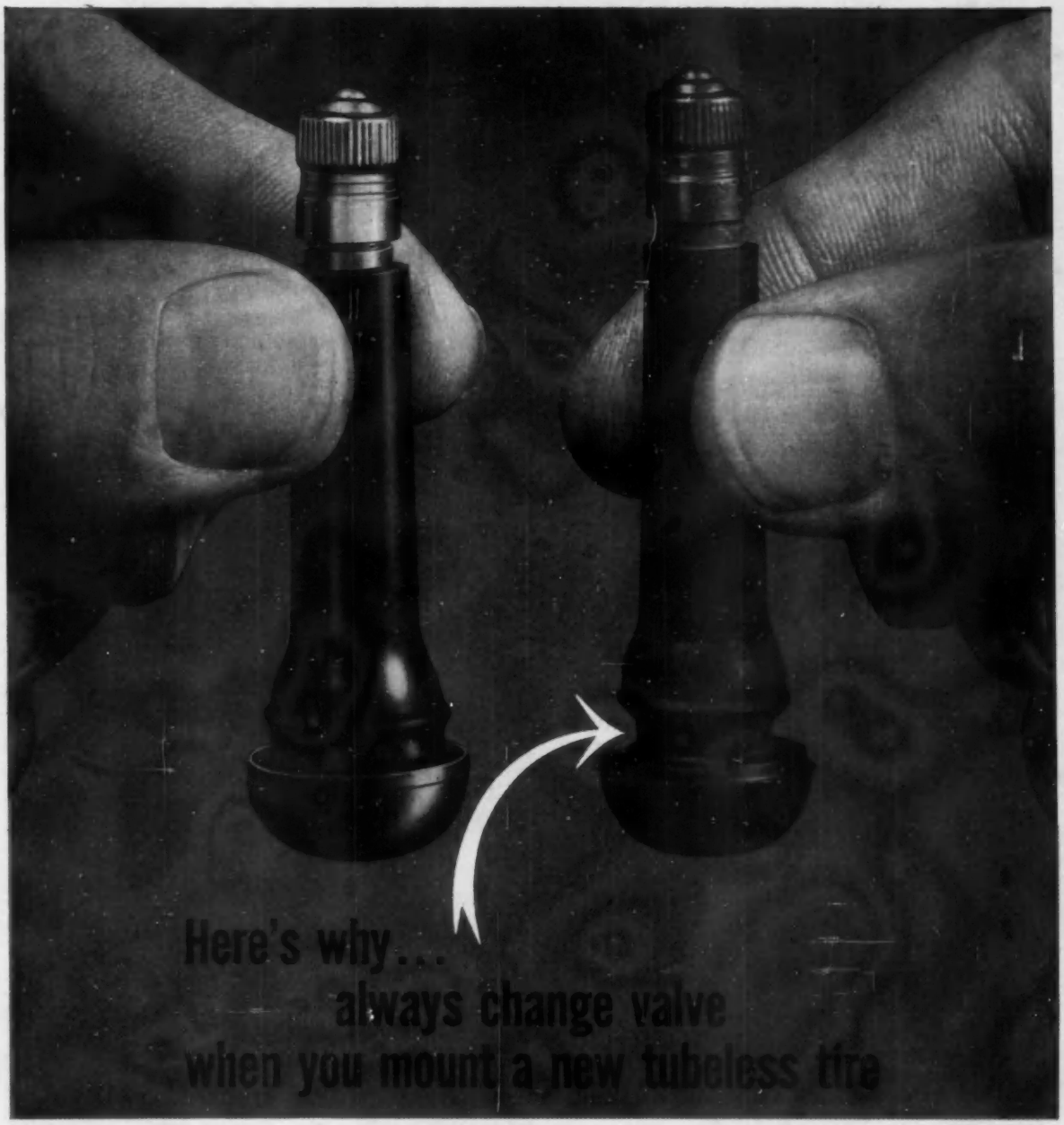
BRAKE CYLINDERS *See Brake Hydraulic Systems*

BRAKE CYLINDER CLAMPS

BARRETT EQUIPMENT CO
EIS AUTOMOTIVE CORP
Fawick Brake Div
K-D MFG CO
Manzell Unit
Perfection Automotive Products Corp
SNAP-ON TOOLS CORP
United Parts Div

BRAKE DRUMS

Accurate Products Inc
Al-Fin Div
BUDD CO
Campbell Wyant & Cannon Foundry Co
Crosby Co
DAYTON STEEL FOUNDRY CO
ERIE MALLEABLE IRON CO AUTOMOTIVE WHEEL DIV
FORD DIV FORD MOTOR CO
Frank Foundries Corp
GUNITE FOUNDRIES CORP
Hunt-Spillar Mfg Corp
Kay-Brunner Steel Products, Inc
KELSEY-HAYES CO
LAHER SPRING & ELECTRIC CAR CORP
MOPAR DIV CHRYSLER CORP



A casual examination of the old tire valve at the right might miss the serious damage at the seating surface. This snap-in valve was carefully removed after successfully performing throughout the life of one tire. Only a comparison with the new, fresh valve shows why it is not good business to leave the old valve in the rim when mounting new tires you sell.

Schrader Tire Valves are the finest in the world, and they are engineered to outlast the finest tire. BUT rubber ages, loses elasticity upon which the ideal seal depends. It's far better business to *be sure a valve is as new as the tire it serves.*

Remember: Always install a new valve with every new tubeless tire you mount.

Schrader®
a division of **SCOVILL**

A. SCHRADER'S SON • BROOKLYN 38, N. Y.
Division of Scovill Manufacturing Company, Incorporated

FIRST NAME IN TIRE VALVES

FOR ORIGINAL EQUIPMENT AND REPLACEMENT

Made in America to American Standards of Quality

 ● More details? Circle 143 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on page 236

BRAKE DRUM GAGES TO BRAKE LINING SHIMS

BRAKE DRUMS—*continued*

MOTOR WHEEL CORP
REYNOLDS MFG CO
SHULER AXLE CO
Webb Wheel Div
Wheel Parts & Mfg Co

BRAKE DRUM GAGES

AMMCO TOOLS INC
BARRETT EQUIPMENT CO
JOHNS-MANVILLE
Rush Mfg Co E S
Shepard-Thomason Co
Star Machine & Tool Co
VAN NORMAN INDUSTRIES INC

BRAKE DRUM LATHES

AMMCO TOOLS INC
BARRETT EQUIPMENT CO
Lempco Products Inc
Rush Mfg Co E S
Shepard-Thomason Co
South Bend Lathe Inc
Star Machine Tool Co
Sundstrand Machine Tool Co
United States Electrical Tool Co
VAN NORMAN INDUSTRIES INC

BRAKE EMERGENCY SYSTEMS & VALVES

BENDIX PRODUCTS DIV
BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
Berg Mfg & Sales Co Inc
Fawick Brake Div
GEORGE MFG CO
HYDRO-AIRE DIV
Ideal Mfg Co
KELSEY-HAYES CO
MGM BRAKES INC
Maxibrake Inc
MIDLAND-ROSS CORP OWOSSO DIV
Minnesota Automotive Inc
Orscheln Brake Lever Mfg Co
Power Brake Equipment Co
Power Brake Parts Mfg Co
Safety Brake Corp
Sealco Air Brakes Inc
Sweetland Corp
Talco Engineering Co Inc
Velvac Inc
WAGNER ELECTRIC CORP

BRAKE FLUID

Barton Products Co
Battenfeld Grease & Oil Corp
Bell Co
Bowes "Seal Fast" Corp
Castoleum Corp The
Chicago Hydraulic Oil Co
DELCO MORAINE DIV
Dow Chemical Co
Drew & Co E F Automotive Chemicals Div
du PONT de NEMOURS & CO FINISHES DIV
EIS AUTOMOTIVE CORP
ESSO STANDARD DIV
FORD DIV FORD MOTOR CO
Gilpak Automotive Products Div
Hollingshead Corp R M
Houghton & Co E F
International Metal Polish Co
Kendall Refining Co
Lisle Corp
Loreman Products
Master Co
MOBIL OIL CO
MOPAR DIV CHRYSLER CORP
Motor Kool Products Co
Niehoff & Co
Olin Mathieson Chemical Div
Park Chemical Co
Penetone Co
PERMATEX CO
RAYBESTOS DIV
Service Supply Co
SHELL OIL CO
Simoniz Co
SINCLAIR REFINING CO
Speco Inc
Stanley Co John T
Sun Oil Co
THERMOID DIV
Tumbler Laboratories
UNION CARBIDE CONSUMER PRODUCTS CO DIV
UNITED MOTORS SERVICE
United Parts Div
WAGNER ELECTRIC CORP
Wilco Co

BRAKE HOSE *See Hose, Air Brake or Hydraulic*

BRAKE HOSE HOLDERS *See Holders, Brake Hose*

BRAKE LEVERS, Parking

Fawick Brake Div
FORD DIV FORD MOTOR CO
General Products Corp
MGM BRAKES INC
Minnesota Automotive Inc
Orscheln Brake Lever Mfg Co

BRAKE LININGS & BLOCKS

AMERICAN BRAKEBLOK DIV
Anchor Packing Co
Asbestos Textile Co
Atlas Asbestos Co
BENDIX PRODUCTS DIV
Carlisle Corp Molded Materials Div
DELCO MORAINE DIV
Fawick Brake Div
FIRESTONE TIRE & RUBBER CO
FORD DIV FORD MOTOR CO
Gatke Corp
General Metals Powder Co
GREY ROCK DIV
Grizzly Mfg Div
Hope Webbing Co
Inland Mfg Div
JOHNS-MANVILLE
KELSEY-HAYES CO
LASCO BRAKE PRODUCTS CORP
MARSHALL-ECLIPSE DIV
Miley Co L J
Molded Materials Div
MOPAR DIV CHRYSLER CORP
National Brake Block Co
Porter Co H K Amco Works
RAYBESTOS DIV
Raybestos-Manhattan Inc Equip Sales Div
Russell Mfg Co
SCANDINAVIA BRAKE LINING DIV
Silver Line Brake Lining Corp
Southern Friction Materials Co
THERMOID DIV
Universal Friction Materials Div
WAGNER ELECTRIC CORP
WELLINGTON SEARS CO
Wellman Co S K
WORLD BESTOS DIV

BRAKE LINING CLAMPS

Adjustable Clamp Co
BARRETT EQUIPMENT CO
Rush Mfg Co E S
Shepard-Thomason Co
Star Machine & Tool Co
WAGNER ELECTRIC CORP

BRAKE LINING GAGES

AMMCO TOOLS INC
BARRETT EQUIPMENT CO

BRAKE LINING GRINDERS

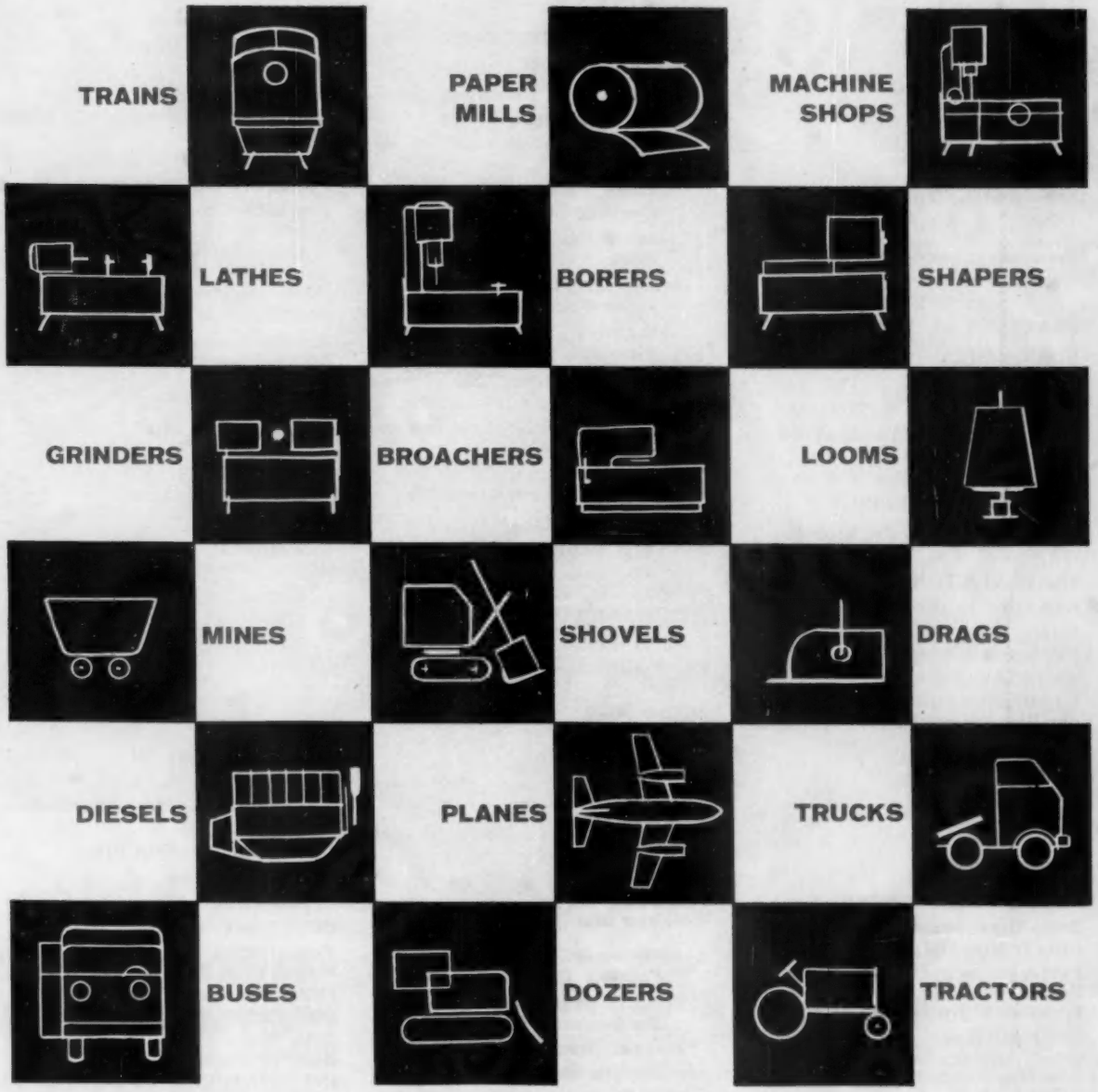
AMMCO TOOLS INC
BARRETT EQUIPMENT CO
Evans Reamer & Machine Co
Lempco Products Inc
Rush Mfg Co E S
Star Machine & Tool Co

BRAKE LINING MACHINES *See Brake Riveting Machines*

BRAKE LINING SHIMS

BARRETT EQUIPMENT CO
Fawick Brake Div
Gatke Corp
GREY-ROCK DIV
National Brake Block Co
Perfect Parts Inc
RAYBESTOS DIV
Raybestos-Manhattan Inc Equip Sales Div
WORLD BESTOS DIV

If you manage or operate any of these...



. . . your best move is to Sinclair's specialized greases, oils and lubricants, to cut costs, speed operations and increase profits. There are more than 500 of these money-savers, and each does its particular job particularly well. For helpful information based on actual experience, call your Sinclair Representative or write

Sinclair

SINCLAIR REFINING COMPANY
Technical Service Division
600 Fifth Avenue, New York 20, N. Y. • CI 6-3600

● More details? Circle 144 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on page 236

BRAKE LOCKS TO BUSES

BRAKE LOCKS (Hill Holding)

Diamond-U Products
Minnesota Automotive Inc
Transport Industries Inc Brake Div
WAGNER ELECTRIC CORP

BRAKE PEDAL DEPRESSORS

BEAR MFG CO
Bennett-Feragen
FORD DIV FORD MOTOR CO
KENT-MOORE ORGANIZATION INC
Manbee Equipment Div
SNAP-ON TOOLS CORP

BRAKE RETARDERS *See Retarders*

BRAKE RIVETING MACHINES

BARRETT EQUIPMENT CO
Grizzly Brake Div
Hanna Engineering Works
MARSON CORP
RAYBESTOS DIV
Rex-Hide Brake Lining Co
Rush Mfg Co E S
Shepard-Thomason Co
Star Machine & Tool Co
Transit Parts Co
Tubular Rivet & Stud Co
Wilson Inc K R

BRAKE SHOES

BENDIX PRODUCTS DIV
Brake Development Co
DELCO MORAINE DIV
Fawick Brake Div
Fe-adco Corp
FORD DIV FORD MOTOR CO
GREY-ROCK DIV
Grizzly Mfg Div
Imco Mfg & Sales Co
Milley Co L J
MOPAR DIV CHRYSLER CORP
National Brake Block Co
Pick Mfg Co
RAYBESTOS DIV
Raybestos-Manhattan Equip Sales Div
Russell Mfg Co
Southern Friction Materials Co
THERMOID DIV
Transit Parts Co
WAGNER ELECTRIC CORP
WORLD BESTOS DIV

BRAKE SPRING TOOLS *See Tools, Brake Spring*

BRAKE TESTING MACHINES

BEAR MFG CO
Bennett-Feragen Inc
EIS AUTOMOTIVE CORP
Fawick Brake Div
United Parts Div
WAGNER ELECTRIC CORP
WEAVER MFG DIV

BRAKE VALVES *See Brake Emergency Systems & Valves*

BRAKE WARNING SIGNALS *See Signals*

BRANDING IRONS, TIRE *See Tire Branding Irons*

BRASS SHIMS *See Shims & Shim Stock*

BRASS TUBING *See Tubing, Brass Copper & Steel*

BREAKAWAY VALVES *See Brake Emergency Systems & Valves*

BREAKERS, CIRCUIT *See Circuit Breakers*

BREAKER POINTS *See Ignition Parts*

BRUSHES, Carbon Removing

ALBERTSON & CO INC
BLACK & DECKER MFG CO
Flour City Brush Co
Goodson Mfg Co
HERBRAND DIV
Kennedy Service Tools Co
KENT-MOORE ORGANIZATION INC
Laitner Brush Co
Manufacturers Brush Co
Millers Falls Co
Milwaukee Brush Mfg Co
New Britain Machine Co Hand Tools Div
Osborn Mfg Co
Pittsburgh Plate Glass Co (Brush Div)
Rink-McIlwaine Inc
SNAP-ON TOOLS CORP
Thor Power Tool Co
Worcester Brush & Scraper Co

BRUSHES, FOUNTAIN *See Washers, Fountain Brushes & Mops*

BRUSHES, GENERATOR AND STARTER *See Generator Parts*

BUFFERS, PORTABLE, ELECTRIC *See Sanders, Portable Electric*

BUFFERS, PORTABLE PNEUMATIC *See Sanders, Portable Pneumatic*

BUILDINGS, Pre-fabricated

Armco Drainage & Metal Products
Butler Mfg Co
Inland Steel Products Co Metal Building Div
Myers Bus-Houser Corp
Stran-Steel Corp

BUMPERS, Dock

BUMPERS INC
Durable Mat Co
GOODYEAR TIRE & RUBBER CO
Koneta Rubber Co
Nash Bros Co
St. Clair Rubber Co
SCHWITZER CORP

BUMPERS, Vehicle

American Metal Products Co
Bath Co Cyril
BINKLEY MFG CO
Collins & Associates Inc
Durable Mat Co
ELECTRIC AUTOLITE CO
FORD DIV FORD MOTOR CO
HOLMES CO ERNEST (for wreckers)
Houdaille Industries Inc
Hutchinson Co
Nash Bros Co
PARISH PRESSED STEEL DIV
Rheem Automotive Co
Rockwell-Standard Corp Bumper Div
Stoutco Inc
Tradewind Industries Inc

BUMPER GUARDS

Brown-Lipe-Chapin Div
Campbell Co A S
Douglas & Lomason Co
Eaton Mfg Co Stamping Div
FORD DIV FORD MOTOR CO
Gem Mfg Co
Rheem Automotive Co

BURGLAR ALARMS, VEHICLE-MOUNTED *See Alarms, Truck & Cargo Protection*

BUSES

BUSES, Commercial

Available Truck Co Div
BOYERTOWN AUTO BODY WORKS INC
CHEVROLET MOTOR DIV
Crown Coach Corp
DIVCO TRUCK DIV
DODGE DIV
Federal Motor Truck Co
Flxible Co
FORD DIV FLEET SALES DEPT
GMC TRUCK & COACH DIV
Gillig Bros
Highway Products Inc
INTERNATIONAL HARVESTER CO
MACK TRUCKS INC
Mercedes-Benz Sales Inc
Oneida Div Marmon-Herrington Co
Oneida Products Div
REO DIV
Southern Coach and Body Co
STUDEBAKER DIV
SUPERIOR COACH CORP
Thomas Car Works Inc Perley A
Wayne Works Div
WHITE MOTOR CO

BUSES, School

Black & Sons Inc Adam
Blue Bird Body Co

● More details? Circle 145 on reply card inside back cover——→

FOR LONG, PROFITABLE SERVICE . . . GET

Brockway UNI-MATCHED Design

NEW . . . BROCKWAY ALL STEEL "CAB-NAPPER"

Full size bunk — exceeding ICC requirements • Six inches shorter (B.B.C.) than conventional tractors • Famous Brockway Safety-View cab.

Consistently, Brockway has proved to be the top performer on the job. That's because Brockway's exclusive UNI-MATCHED design provides completely co-ordinated vehicles. From engine to rear axle, every component is matched and balanced to give you the best power combination for your needs. Add the famous Brockway Chassis . . . the Safety-View Cab . . . and Brockway's unique method of integrating all functional parts into an unusually highly efficient operating unit. They are a few of the reasons why trucks built by Brockway are built for long profitable service. Write or ask your Brockway representative for booklet giving complete details.

Brockway HUSKIE

BROCKWAY MOTOR TRUCKS CORTLAND, N. Y.

Division of Mack Trucks, Inc.

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

BUS DOOR MOTORS TO CARBURETOR PARTS

BUSES, School—*continued*

Carpenter Body Works Inc
DODGE DIV GMC TRUCK & COACH DIV
Hackney Bros Body Co
INTERNATIONAL HARVESTER CO MOTOR TRUCK DIV
Marmon-Herrington Co Inc Vehicle & Oneida Div
SUPERIOR COACH CORP
Perley A Thomas Car Wks Inc
Tradewind Ind Inc
Ward Body Works Inc
Wayne Works Div
WHITE TRUCK DIV

BUS DOOR MOTORS

BENDIX PRODUCTS DIV
MIDLAND-ROSS CORP OWOSSO DIV
National Pneumatic Co
PORTER CO H K FORGE & FITTINGS DIV
Thomas Car Works Inc Perley A

BUS HARDWARE

Attwood Brass Works Inc
Bath Co Cyril
BINKLEY MFG CO
Mirror-Tech Mfg Co
Polar Hardware Mfg Co
PORTER CO H K
Tompkins H S
Troy Sunshade Co

BUS HEATERS *See Heaters, Bus*

BUS INTERIOR CLEANERS

Acme Equipment Inc
Brulin & Co Inc
Fine Organics Inc
Kelite Corp
MAGNUS CHEMICAL CO INC
OAKITE PRODUCTS INC
Penetone Co
Pullman Vacuum Cleaner Corp
ROSS & WHITE CO
SPRAY PRODUCTS CORP
Turco Products Inc

BUS SEATS *See Seats, Bus*

BUS VENTILATORS *See Ventilators, Bus & Truck*

BUTANE ENGINES *See Engines, LP Gas*

CABINETS, Accessories & Parts

ALAN WOOD STEEL CO
Angle Steel Co
Bay Products Div
Berger Mfg Div
Bernard Franklin Co
Buxbaum Co
Cutler Metal Products Co
Equipto Div
Frick-Gallagher Mfg Co
Heller & Co W C
Kem Mfg Co Inc
Lyon Metal Products Inc
Myers Tire Supply Co
Velvac Inc
WEATHERHEAD CO

CABLES, BATTERY *See Battery Cables*

CABLES, BRAKE *See Brake Cable*

CABLES, IGNITION *See Ignition Cable*

CABLES, SPEEDOMETER *See Speedometer Cables*

CABLES, WELDING *See Welding Cables*

CABS, Truck

Allen Industrial Products Inc
Aluminum Body Corp
Automotive Industries Corp
Barkow Co H
Bedell Trailer Co
BROWN TRAILER DIV
BUDD CO THE
Chicago Mfg Co
Crown Steel Products Co
Cutler Metal Products Co
D E K Mfg Co
Kelly Mfg Co
Koenig Iron Works
McLaughlin Body Co
Montpelier Mfg Co
Orrville Body Co
Standard Carriage Works Inc
Stoughton Cable & Body Co
Timpte Bros Co
Tradewind Industries Inc
Truck Cab Mfrs Inc
Williamsen Body & Equipment Co
Woeber Auto Body Mfg Co
Youngstown Kitchens Div

CAGES, TIRE INFLATING *See Tire Inflating Guards*

CALIPERS & DIVIDERS

Ames Co B C
Brown & Sharpe Mfg Co
Central Tool Co
Davis Boring Tool Div
Dixon Inc William
DoAll Co
Keystone Reamer & Tool Co
Lufkin Rule Co
McQUAY-NORRIS MFG CO
Master Specialty Co
Millers Falls Co
Peck, Stow & Wilcox Co
Rovtar Tool-Die Mfg Co
Starrett Co L S
Swedish Gage Co of America
Union Tool Co

CAMSHAFT GRINDERS *See Crankshaft & Camshaft Grinders*

CANVAS *See Tarpaulins*

CAPS, Fuel Tank, Locking

AC SPARK PLUG DIV
Accurate Products Inc
Badger Mfg Corp
Berkson Products Inc
Dole Valve Co The
EATON MFG CO
Edelmann & Co E Wayne Metalcraft Div
Electroline Mfg Co
FORD DIV FORD MOTOR CO
Hall Products Div
MOPAR DIV CHRYSLER CORP
Norlipp Co
Sav-T-Engineering Co
STANT MFG CO INC
Velvac Inc
Wheel Parts & Mfg Co

CAPS, OIL FILLER *See Oil Filler Caps*

CAPS, RADIATOR *See Radiator Caps*

CAPS, TIRE VALVE *See Tire Valves & Caps*

CARBON MONOXIDE INDICATORS *See Alarms, Carbon Monoxide*

CARBON MONOXIDE REMOVING SYSTEMS *See Ventilators, Exhaust Gas*

CARRIERS, BATTERY *See Battery Boxes*

CARBURETORS, Gasoline

BENDIX PRODUCTS DIV
Carter Carburetor Div
Cass City Carburetor Div
FORD DIV FORD MOTOR CO
MOTORCRAFT
HOLLEY CARBURETOR CO
Marvel-Schebler Products Div
MOPAR DIV CHRYSLER CORP
Rochester Products Div
UNITED MOTORS SERVICE
ZENITH CARBURETOR DIV

CARBURETORS & CONVERTERS, LP Gas

American Liquid Gas Corp
BEAM PRODUCTS MFG CO
CENTURY GAS EQUIPMENT MARVEL-SCHEBLER PRODUCTS DIV
Ensign Carburetor Co
ZENITH CARBURETOR DIV

CARBURETOR CLEANERS *See Cleaning Compounds & Solvents*

CARBURETOR PARTS

Accurate Products Inc
BENDIX PRODUCTS DIV
Brisko's Mileage-Saver Inc
Carter Carburetor Div
Champ-Items Inc
FORD DIV FORD MOTOR CO
MOTORCRAFT
HOLLY CARBURETOR CO
HYGRADE PRODUCTS DIV

Better products, *faster*, from your Federal-Mogul jobber:

Operators who watch costs replace with Federal-Mogul engine bearings!

Sintered copper-alloy engine bearings help fleet owners clock more miles between overhauls

Federal-Mogul sintered engine bearings—marvels in design and research—produced by a patented process, deliver a big bonus in extra fleet mileage. Replacements supplied for the exact engine application by your Federal-Mogul jobber result in a top-notch overhaul job and real operating economy. In all Federal-Mogul bearings, you can be sure of quality control which insures balanced oil flow and "throw-off" between bearings and shaft for proper engine lubrication and like-new performance. Your Federal-Mogul jobber is always ready to give you fast, dependable delivery from thousands of types and sizes whenever you need bearings.

FEDERAL-MOGUL ENGINE BEARINGS

BEARING FEDERAL Mogul SERVICE

FEDERAL-MOGUL SERVICE

DIVISION OF FEDERAL-MOGUL-BOWER BEARINGS, INC. • DETROIT 13, MICHIGAN

 ● More details? Circle 146 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

CIRCUIT BREAKERS TO CLEANING COMPOUNDS

CARBURETOR PARTS—*contd.*

MOPAR DIV CHRYSLER CORP

OEM Products Co
Parts Mfg Co
Perfect Parts Inc
Precision Automotive Components Co
Preferred Electric & Wire Co
Rochester Products Div
Simmons Mfg Co
V-J Industries Inc

ZENITH CARBURETOR DIV

CARGO CONTAINERS *See Trailers*

CARGO HEATERS *See Heaters, Cargo*

CARGO TIE-DOWN *See Tie-Downs Cargo*

CARRIERS, BATTERY *See Battery Boxes*

CARRIERS, TIRE *See Tire Carrier*

CEMENT, GASKET *See Gasket Compounds*

CHAIN ADJUSTERS, TIRE *See Tire Chain Adjusters*

CHAIN HOISTS *See Hoists, Chain or Cable*

CHAINS, TIMING *See Timing Chains*

CHAINS, TIRE *See Tire Chains*

CHARGERS, BATTERY *See Battery Chargers*

CHASSIS DYNAMOMETERS *See Dynamometers, Chassis*

CHASSIS UNDERCOATINGS *See Undercoatings*

CHOCKS, WHEEL *See Wheel Chocks*

CIRCUIT BREAKERS

Allis-Chalmers Mfg Co
Bulldog Electric Products Co
Carter Parts Co

COLE-HERSEE CO

ELECTRIC AUTOLITE CO

F & B MFG CO

Fasco Industries Inc
General Electric Co Apparatus Sales Div
Heinemann Electric Co

LEECE-NEVILLE CO

Littlefuse Inc
Mallory Electric Corp
Pollak Corp Joseph
Preferred Electric Wire Co
R-B-M Div

REYNOLDS MFG CO

Spencer Div
Square D Co

TUNG-SOL ELECTRIC CO

Underwriters Safety Device Co
Vaco Products Co
Westinghouse Electric Corp

CLAMPS, BATTERY HOLD DOWN *See Battery Hold Down Clamps*

CLAMPS, BRAKE LINING *See Brake Lining Clamps*

CLAMPS, BRAKE CYLINDER, HYDRAULIC *See Brake Cylinder Clamps*

CLAMPS, HOSE *See Hose Clamps*

CLEANERS, AIR *See Air Cleaners*

CLEANERS, BUS INTERIOR *See Bus Interior Cleaners*

CLEANERS, RADIATOR *See Radiator Cleaners Chemical or Radiator & Block Flushers*

CLEANERS, SPARK PLUG *See Spark Plug Cleaners*

CLEANING COMPOUNDS & SOLVENTS

Acme Equipment Inc
Acme Quality Paints Inc
Advance Century Mfg Co
Aldridge Industrial Oils Inc
Allied Research Products Inc
Amchem Products Inc
Anti-Rust Corp
Arco Co
Balcrank Inc
Bardahl International Corp
Beck Equipment & Chemical Co

BENDIX PRODUCTS DIV

Bostwick Laboratories Inc
Bruce Products Corp
Brulin & Co Inc
Castoleum Corp The
Cee-Bee Chemical Co
Choldun Mfg Co
Circo Corp
Cities Service Oil Co

CLAYTON MFG CO

Clarkson Laboratories Inc
Commercial Solvents Corp
DL Products Inc
Delco Appliance Div
Detrex Chemical Industries Inc

DITZLER COLOR DIV

Diversey Corp
Dow Chemical Co
Drew & Co E F
Du Bois Chemicals Inc

DU PONT DE NEMOURS & CO E I CHEMICAL SPECIALTIES DIV

du Pont de Nemours & Co., E. I. Electrochemicals Dept
du Pont de Nemours & Co., E. I. Grasselli Chemical Dept
Durkee-Atwood Co
Eagle-Picher Co
Engine Accessories Mfg Co

ESSO STANDARD DIV

Fine Organics Inc
Floridin Co

FORD DIV FORD MOTOR CO

Ford Div J B
Gent-L-Kleen Products Inc
Gojer Inc

GULF OIL CORP

Gumout Div

GUNK LABORATORIES INC

Heet Div
Hollingshead Co R M
Hooker Chemical Corp
Houghton & Co E F

HYPRESSURE JENNY DIV

International Metal Polish Co
Johnson Mfg Co
Johnson & Son Inc S C
K & W Products Inc
Kano Laboratories
Kelite Corp
Kleer-Flo Co
Kolene Corp
Krylon Inc
Laitner Brush Co
Las-Stik Mfg Co
Lavo Co of America
Lubrication Engineers Inc

MAGNUS CHEMICAL CO

MALSBARY MFG CO

MarPro Corp
Master Fleet Washer Div
Minerals & Chemicals Corp of America

MOBIL OIL CO

Moffatt Products Inc

MOPAR DIV CHRYSLER CORP

Motor Kool Products Co
Multi-Clean Products Inc
Northwest Chemical Co

NUTMEG CHEMICAL CO MOTIVE SPECIALTIES DIV

OAKITE PRODUCTS INC

Octagon Process Inc
Oil-Dri Corp of America

ORONITE CHEMICAL CO

Park Chemical Co
Peck's Products Co
Penetone Co
Pennsalt Chemicals Corp
Pennsylvania Refining Co
Permacel Co

PERMATEX CO INC

PHILLIPS MFG CO

Plastikote Inc

PRACTICAL MFG CO

Pyroil Co
Quickee Products Inc
Rochester Products Div

ROSS AND WHITE CO

Rust Master Chemical Corp
Sellers Injector Corp
Service Supply Co
Shaler Co

SHELL OIL CO

SHERWIN-WILLIAMS CO

Siloo Inc
Silvo Inc

SNAP-ON TOOLS CORP

SOUTH PENN OIL CO

Speco Inc
Speedi-Dry Corp

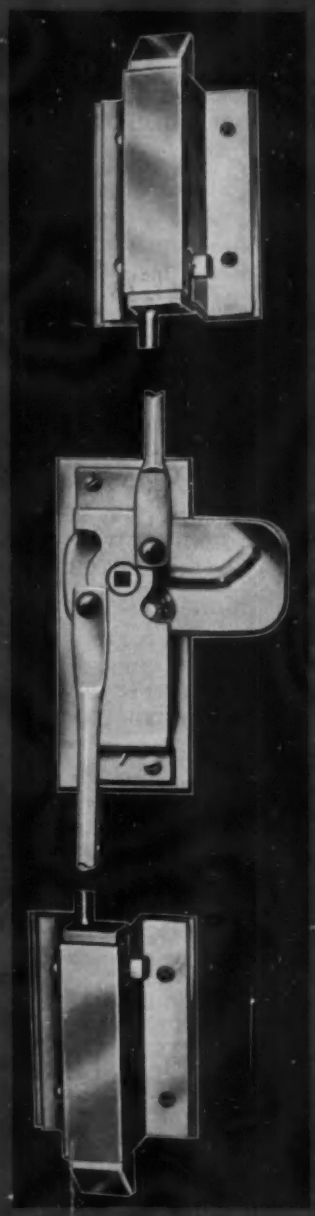
SPRAY PRODUCTS CORP

STANDARD OIL OF CALIF WESTERN OPERATIONS INC

Stanley Co John T
Sun Oil Co
Tennessee Research Corp
Tumbler Laboratories J A
Turco Products Inc
Turtle Wax Inc
Tysol Products Div

UNION CARBIDE CONSUMER PRODUCTS CO DIV

BETTER BECAUSE... they've GOT BANK-VAULT RELIABILITY!



HANSEN COMMERCIAL BODY DOOR LOCKS

HANSEN DOOR LOCKS provide the confidence and reliability that comes with genuine quality design and construction. They afford greater holding power and rattle-proof locking, opening and closing only when lock handle is operated. There's a wide choice of types and styles for every application. For the best in locks, insist on HANSEN ... THE HARDWARE FOR HARD WEAR!

other fine HANSEN Commercial Body HARDWARE

- Window Regulators
- Stow-A-Take-Up Locks
- Leaf-Type Hinges
- Sliding Door Hardware

Write Today for your free Hansen Catalog 22

A.L. Hansen MFG. CO.

2237 Ravenswood Avenue • Chicago 40, Illinois

● More details? Circle 147 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on page 236

CLEANING MACHINES TO CLUTCH PARTS

CLEANING COMPOUNDS—con

United States Aviex Co
V-O Mfg Co
White & Bagley Co
Wilbur and Williams Co
Wilco Co
Wolfe-Kote Co
Woodhill Chemical Sales Corp
Wyandotte Chemicals Corp
Wynn Oil Co
"X" Laboratories Inc
Zecol Inc

CLEANING MACHINES (Including Pressure & Steam)

Acme Equipment Inc
Aeroil Products Co
BARRETT EQUIPMENT CO
John Bean Div
Bonus Products
Branson Ultrasonic Corp
Brulin & Co Inc
Circo Corp
CLAYTON MFG CO
Curtis Automotive Devices Inc
Detrex Chemical Industries Inc
DE VILBISS CO THE
Dutton-Lainson Co Mfg Div
Eclipse Fuel Engr Co
FORD DIV FORD MOTOR CO
GRAY CO INC
Grayson Tool Co
GUNK LABORATORIES INC
Hollingshead Co R M
Hydro-Air Cleaning Systems Inc
HYPRESSURE JENNY DIV
IMPERIAL BRASS MFG CO
Kelite Corp
Kleer-Flo Co
L & R Mfg Co
MAGNUS CHEMICAL CO INC
MALSBARY MFG CO
Northeast Industries Inc
OAKITE PRODUCTS INC
PANTEX MFG CORP STEAM GENERATOR DIV
Penetone Co
PERMATEX CO INC
PRACTICAL MFG CO
ROSS & WHITE CO
Sav-T-Engineering Co
Sellers Injector Corp
Service Supply Co
Slifer Mfg Co
Speco Inc
SPRAGUE DEVICES INC
Stanley Co Inc John T Hobo Div
Storm-Vulcan Inc
Thompson Products Replacement Div
Turco Products Inc
Tysol Products Div
UNION CARBIDE CONSUMER PRODUCTS DIV
Vapor Heating Corp

CLEANING TANKS

Acoustica Associates Inc
Aeroil Products Co
A L C CO
Alvey-Ferguson Co
Bacon Vulcanizer Mfg Co
Barrett Co Leon J
BARRETT EQUIPMENT CO
Blakeslee & Co G S
Branson Ultrasonic Corp
Cincinnati Cleaning & Finishing Machinery Co
Circo Corp
Cooper Co D C
Curtiss-Wright Corp Industrial & Scientific Products Div
Detrex Chemical Industries Inc
DE VILBISS CO
Drying Systems Inc
Eclipse Fuel Engineering Co
Felt Products Mfg Co
Good-All Electric Mfg Co
Graymills Corp
GUNK LABORATORIES INC
Hanson-Van Winkle-Munning Co
Hevi Duty Electric Co
International Conveyor & Washer Corp
J P Mfg Co
K-D MFG CO
Kelite Corp
Kleer-Flo Co
Kolene Corp
L & R Mfg Co
MAGNUS CHEMICAL CO
MAHON CO R C
Metalwash Machinery Corp
Newcomb-Detroit Co
Penetone Co
Peters-Dalton Inc
PHILLIPS MFG CO
Pioneer-Central Div
PRACTICAL MFG CO
Protectoseal Co
Ransohoff Inc
Schmieg Industries Inc
Simplicity Engrg Co
Sprague Devices Inc
Stevens Inc Frederic B
Storm-Vulcan Inc
Supreme Equipment Corp
Turco Products Inc
U S Galvanizing & Plating Equipment Corp
Victor Mfg & Gasket Co
Westinghouse Electric Corp X-Ray and Electronics Div
Wilson Inc K R
Winona Tool Mfg Co

CLEARANCE LAMPS *See Lamps*

CLIPS, SPRING *See Spring Clips*

CLOTH, COATED FABRIC *See Tarpaulins*

CLUTCHES

CLUTCHES

Accurate Re-Nu Clutch Div
Borg & Beck Div
Borg-Warner Service Parts Co
DANA CORP
FORD DIV FORD MOTOR CO
Inland Mfg Div
LIPE-ROLLWAY CORP
Long Mfg Div
ROCKFORD CLUTCH DIV
Warner Electric Brake & Clutch Co
Wellman Co S K

CLUTCH ALIGNMENT TOOLS

Accurate Re-Nu Clutch Div
Cal-Van Machine Products Inc
Cornwell Quality Tools Co
Kaywood Products Corp
KENT-MOORE ORGANIZATION INC
LIPE-ROLLWAY CORP
Manzel Unit
National Machine & Tool Co
OWATONNA TOOL CO
Rinck-McIlwaine Inc
Rovtar Tool Die Mfg Co
SNAP-ON TOOLS CORP
Zoerman-Clark Mfg Co

CLUTCH FACINGS

Accurate Re-Nu Clutch Div
AMERICAN BRAKEBLOK DIV
ARMSTRONG CORK CO INDUSTRIAL DIV
Atlas Asbestos Co
DELCO MORAINE DIV
FORD DIV FORD MOTOR CO
Gatke Corp
GREY-ROCK DIV
JOHNS-MANVILLE
LIPE-ROLLWAY CORP
MARSHALL ECLIPSE DIV
MOPAR DIV CHRYSLER CORP
National Brake Block Co
Porter Co H K Amco Works
RAYBESTOS DIV
RAYBESTOS-MANHATTAN INC EQUIPMENT SALES DIV
ROCKFORD CLUTCH DIV
Russell Mfg Co
SCANDINAVIA DIV
THERMOID DIV
Universal Friction Materials Div
Wellman Co S K
WORLD BESTOS DIV

CLUTCH PARTS

Accurate Re-Nu Clutch Div
Borg-Warner Service Parts Co
Circle Z
DANA CORPORATION
DORMAN PRODUCTS INC
Elgin Machine Works Inc
FORD DIV FORD MOTOR CO
Lempco Products Inc
LIPE-ROLLWAY CORP
MOPAR DIV CHRYSLER CORP

5/8" OR 3/4" DRIVE at no extra cost

Just specify which Drive you want and it's yours at no extra cost . . . but only from Ingersoll-Rand. No other manufacturer offers you this choice in a tool that's the smallest, lightest, fastest and most powerful in its class on the market. Look for red ● ball extras like this before you buy.

ELECTRIC IMPACTOOL
Size 8U-12
5/8" or 3/4" Drives

another red ● ball extra

- **"Cuss-Proof" Socket Retainer.** Sockets can't fall off accidentally, but strong, spring-held retainer can be easily replaced. Another I-R exclusive.
- **Life Guard Commutator.** Exclusive I-R construction prevents motor damage, permits easy dressing, provides long brush life.
- **Sealed Nose Bumper.** Exclusive I-R rubber guard seals out dirt in addition to protecting impact mechanism.
- **Dirt-Sealed Trigger.** Plunger-operated switch is sealed tight from dust and dirt. Another I-R exclusive.
- **Job-Tailored Motor.** Not "adapted" but built specifically for rugged Impactool duty.

best design—biggest line

look for the red ● ball extras

Ingersoll-Rand

11 Broadway, New York 4, N.Y.

59A-18

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

CLUTCH PRESSURE PLATES TO COMPRESSION GAGES

CLUTCH PARTS—*continued*

Parts Mfg Co
Perfection Gear Co
ROCKFORD CLUTCH DIV
Rush Mfg Co E S
TOWNSEND CO ENGINEERED FASTENERS DIV
Wheel Parts & Mfg Co

CLUTCH PRESSURE PLATES

Accurate Re-Nu Clutch Div
Borg & Beck Div
Borg-Warner Service Parts Co
DANA CORP
FORD DIV FORD MOTOR CO
Inland Mfg Div
Johnson Bronze Co
LIPE-ROLLWAY CORP
Long Mfg Div
MOPAR DIV CHRYSLER CORP
Perfection Gear Co
ROCKFORD CLUTCH DIV
Rush Mfg Co E S
Warner Electric Brake & Clutch Co
Wellman Co S K

CLUTCH REBUILDING MACHINES

BEAR MFG CO
Borg-Warner Service Parts Co
Miller Tool & Mfg Co
Perfection Gear Co
ROCKFORD CLUTCH DIV
Westbrook Industries Inc

CLUTCH SPRING TESTERS *See Testers, Valve & Clutch Spring*

CLUTCH THROWOUT BEARINGS

Aetna Ball & Roller Bearings Co Div
American Ball Bearing Corp
Andrew Parts Mfg Co
Automotive Thrust Bearings Corp
BEARINGS CO OF AMERICA DIV
Borg-Warner Service Parts Co
DANA CORP
DORMAN PRODUCTS INC
FEDERAL - MOGUL SERVICE DIV OF FEDERAL - MOGUL - BOWER BEARINGS INC
FORD DIV FORD MOTOR CO
Green Ball Bearing Co
Johnson Bronze Co
L & S Bearing Co
Lempco Products Inc
Nice Ball Bearing Co
Perfection Gear Co
Preferred Electric Wire Co
Pure Carbon Co
ROCKFORD CLUTCH DIV
SKF Industries Inc
Schatz Mfg Co
Wheel Parts & Mfg Co

COATINGS, PROTECTIVE (for body leaks) *See Body Sealing Compounds*

COCKS, PET, DRAIN *See Drain Cocks*

COILS, IGNITION *See Ignition Coil*

COIL SPRINGS *See Springs, Coil*

COOLING SYSTEM ITEMS *See Radiator Items*

COMBUSTION ANALYZERS *See Analyzers, Combustion*

COMMUTATOR LATHES *See Lathes Commutator*

COMPOUNDS, BATTERY TERMINAL ANTI-CORROSIVE *See Battery Terminal Compounds*

COMPOUNDS, BODY REPAIR *See Body Repair Compounds*

COMPOUNDS, BODY SEALING *See Body Sealing Compounds*

COMPOUNDS, BRAKE BONDING *See Brake Bonding Compounds*

COMPOUNDS, Crankcase, Sludge Removing

Alox Corp
Alsol Products Co.
Bardahl International Corp
Brulin & Co Inc
Castoleum Corp
Celco Corp
Decar Chemical Products Co
DU PONT DE NEMOURS & CO E I FINISHES DIV
Emerol Mfg Co
Gerlach Co E A
GUNK LABORATORIES INC
HASTINGS MFG CO
Hollingshead Corp R M
Kano Labs
Kelite Corp
Lubaid Co
MAGNUS CHEMICAL CO
Miracle Power Products Corp
MOPAR DIV CHRYSLER CORP
National Refining Co
OAKITE PRODUCTS INC
Penetone Co
Pennsylvania Refining Co Gumout Div
Petroleum Solvents Corp
Randall Products Mfg. Co
Rust Master Chemical Corp
Siloo Inc
UNION CARBIDE CONSUMER PRODUCTS CO DIV
United States Aviex Co
V-O Mfg Co
White & Bagley Co

COMPOUNDS, DEGREASING *See Cleaning Compounds & Solvents*

COMPOUNDS, GASKET *See Gasket Compounds*

COMPOUNDS, METAL TESTING *See Magnetic Inspection Compounds*

COMPOUNDS, RADIATOR *See Radiator Sealing Compounds or Radiator Rust Inhibitors*

COMPOUNDS, Rubbing & Polishing

Acme Quality Paints Inc
Arco Co
BLACK & DECKER MFG CO
Colorgio Products Inc
DITZLER COLOR DIV
DU PONT DE NEMOURS & CO E I FINISHES DIV
FORD DIV FORD MOTOR CO
Glidden Co
Glisten Co
Goodison Mfg Co
Hollingshead Corp R M
International Metal Polish Co
Ken-nite Co
Lee Polish Mfg Co
Metalglas Laboratories Inc
MOPAR DIV CHRYSLER CORP
Park Chemical Co
PERMATEX CO
Service Supply Co
SHERWIN-WILLIAMS CO
Simoniz Co
Speco Inc
Stain-Ox Co
Swavely Chemical & Varnish Works
Tumbler Laboratories J A
Turco Products Inc
UNION CARBIDE CONSUMER PRODUCTS CO DIV
Wilson-Imperial Co

COMPOUNDS, TIRE REPAIR *See Tire Repair Compounds*

COMPOUNDS, VALVE GRINDING *See Valve Grinding Compound*

COMPOUNDS, VEHICLE WASHING *See Cleanings & Compounds & Solvents*

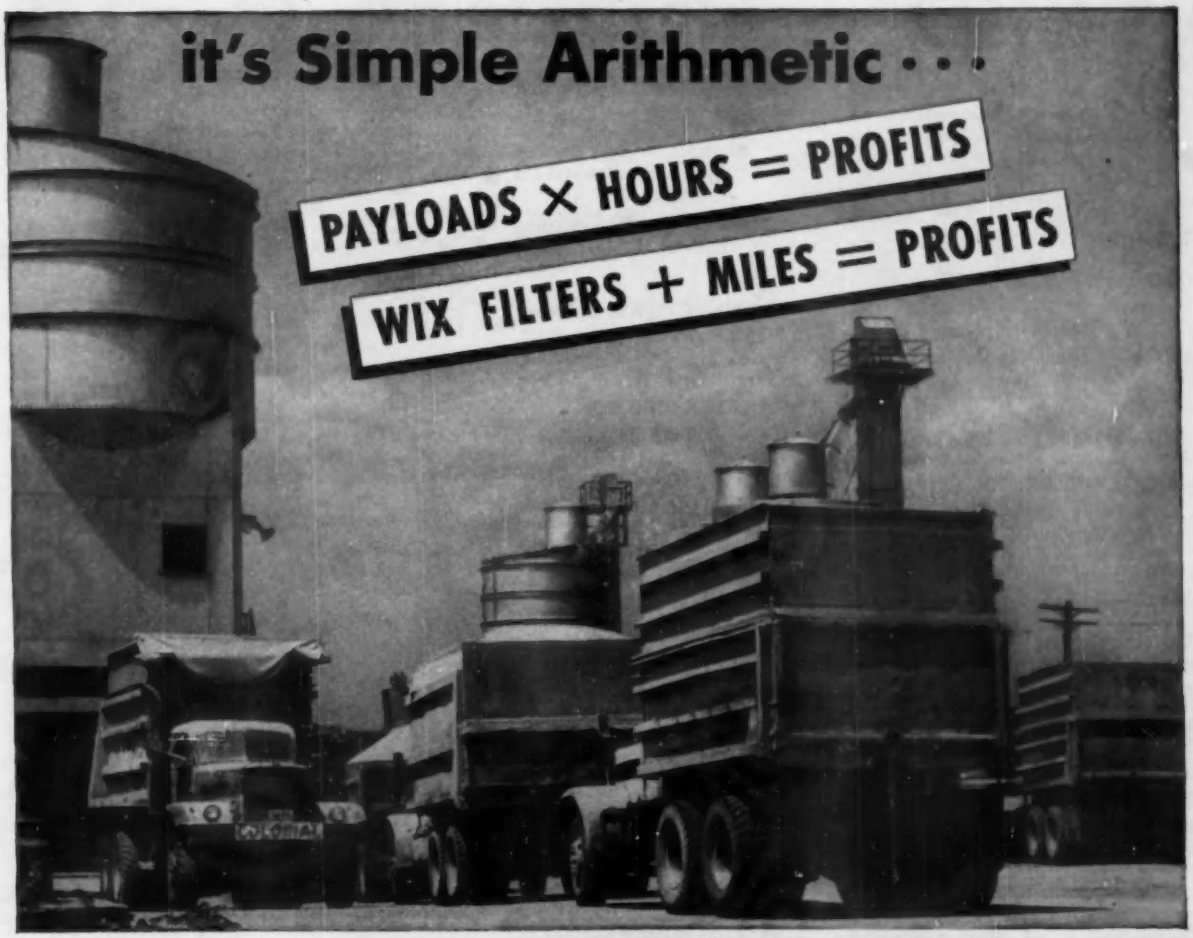
COMPOUNDS, WELDING *See Welding Compounds*

COMPOUNDS, WINDSHIELD SEALING *See Windshield Sealing Compound*

COMPRESSION BRAKES, EXHAUST *See Brakes, Compression Exhaust*

COMPRESSION GAGES

Acme Air Appliance Co
Allen Electric & Equipment Co
Arsco Mfg & Sales Corp
Auto-Test Inc
BACHARACH INDUSTRIAL INSTRUMENT CO
BENDIX - WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
Cornwall Quality Tools Co
Electro Products Co
Fisher Products Corp A R
G M Co Mfg Inc
Griswold Mfg Co
Hanson Co Harvey E
HASTINGS MFG CO
Kal-Equip Co
Kennedy Service Tools Co



and...NEGLIGENCE=DOWNTIME=LOSS

wix-pax

Exclusive service for fleets — genuine WIX Filter Cartridges at special prices in reasonable quantities. PLUS . . . a Filter Survey of your fleet — FREE . . . and, FREE Fleet Maintenance Manual.

A rolling rig gathers no loss—as every maintenance "super" knows. And, WIX Oil and Air Filters play a big role in keeping 'em rolling — profitably. There's nothing like grit, dust, dirt and sludge to slow down any mobile operation whether the vehicles are taxicabs, panel delivery trucks, tractor trailers or construction equipment.

WIX Prescription Filtration is your first choice for heads-up maintenance because there's a *better* WIX Oil, Fuel or Air Filter for every gasoline or Diesel-powered unit in your fleet. WIX Cartridges *are* better — and your records will prove it — on the road.

Call your jobber . . . and be mathematically sure with WIX

wix® FILTERS

SPECIFIED FOR ORIGINAL EQUIPMENT AND REPLACEMENT BY MAJOR MANUFACTURERS

WIX CORPORATION • GASTONIA, N. C.

In Canada: Wix Corporation Ltd., Toronto
In New Zealand: Wix Corporation New Zealand Ltd., Auckland

● More details? Circle 149 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

CONNECTING RODS TO COOLING SYSTEM FLUSHER

COMPRESSION GAGES—*contd*

KENT-MOORE ORGANIZATION INC
Kiene Diesel Accessories Inc
King Electric Equipment Co
McQUAY-NORRIS MFG CO
Mack Products Co
Miller Mfg Co
Nasa Tool Mfg Corp
National Machine & Tool Co
Niehoff & Co
Rinck-McIlwaine Inc
Schauer Mfg Corp
SNAP-ON TOOLS CORP
Star Products Co
SUN ELECTRIC CORP
United States Gauge Div
Weidenhoff Corp

COMPRESSORS, AIR *See Air Compressors*

CONCRETE MIXERS *See Bodies, Concrete Mixer*

CONDENSERS, IGNITION *See Ignition Parts*

CONDENSER TESTERS *See Ignition Condenser Testers*

CONDITIONERS, AIR *See Air Conditioners*

CONNECTING RODS

ALUMINUM CO OF AMERICA
Bohn Aluminum & Brass Corp
Canton Drop Forging & Mfg Co
CONTINENTAL MOTORS CORP
FEDERAL-MOGUL SERVICE DIV
FORD DIV FORD MOTOR CO
GILLETT & EATON INC
McQUAY-NORRIS MFG CO
MOPAR DIV CHRYSLER CORP
Niagara Motors Corp
Ohio Piston & Machinery Co
Park Drop Forge Co
Parks Engineering Inc
Pioneer Motor Bearing Co
Thompson Products Replacement Div
Toledo Steel Products Div

CONNECTING ROD ALIGNING JIGS

AMMCO TOOLS INC
KENT-MOORE ORGANIZATION INC
Lee Co K O
Lisle Corp
McQUAY-NORRIS MFG CO
Miller Mfg Co
Shephard-Thomason Co
Stevens Walden Inc
Storm-Vulcan Inc
SUNNEN PRODUCTS CO
Wilson Inc K R

CONNECTING ROD BEARINGS *See Bearings, Crankshaft & Camshaft*

CONNECTING ROD REAMERS *See Reamers, Power Drive*

CONNECTORS, Trailer (Electric)

Autac Inc
Berg Mfg & Sales Co
COLE-HERSEE CO
Connecticut Telephone & Electric Corp
GRIFFIN LAMP CO
Holland Hitch Co
Ideal Corp
Independent Iron Works Inc
Industrial Steel Tank & Body Works Inc
Joy Mfg Co
K-D LAMP CO
Kliegl Bros Universal Electric Stage Lighting Co
Mercury Mfg Corp
Pollak Corp Joseph
Preferred Electric & Wire Co
Pyle-National Co
S & M Lamp Co
Scintilla Magneto Div
STANDARD MOTOR PRODUCTS INC
Valley Tow-Rite Industries
Velvac Inc
Warner Electric Brake & Clutch Co
Weber Trailer & Mfg Co
Whitaker Cable Corp
WILLARD STORAGE BATTERY DIV

CONNECTORS, WIRE *See Wire Terminals*

CONTACT POINTS *See Ignition Parts*

CONTAINERS

ACF Industries
Aerobilt Body Div Gruman Aircraft & Engr Co
BROWN TRAILER DIV
BUDD CO
Champion Co (moving containers)
CLARK EQUIPMENT CO
Dempster (bulk material)
DORSEY TRAILERS
FRUEHAUF TRAILER CO
Fuller Co
Gindy Trailers
GOODYEAR TIRE & RUBBER CO (Liquid)
Great Dane Trailers
Hercules Steel Products Co
HIGHWAY TRAILER CO
National Malleable & Steel Castings Co (container lifting spreader)
Odyssey Trailer Co
Ohio Body Co
Olson Trailer & Body Builders
PERFECTION DIV
Railiner Inc
Space Structures Inc (frozen foods)
Sprout Waldron & Co (bulk materials)
Struck Trailer Div
TRAILMOBILE INC
Trans-Equipment Corp
Transicold Corp (liquid)
Trans Ocean Van Service (overseas shipping)
U S RUBBER CO (liquid)
Utility Trailer Co

Virtually all builders of van-type trailers and straight truck bodies also build containers.
See Trailers, Commercial; Bodies, Commercial; and Bodies, Commercial, Prefabricated

CONTROLS, ENGINE CUT-OFF *See Switches, Ignition Cut Off*

CONVERTERS, AXLE DOLLIES *See Axle Dollies*

CONVERTERS, TORQUE *See Torque Converters*

COOLERS, AIR *See Air Coolers*

COOLERS, OIL *See Oil Coolers*

CONVEYORS, Dock

Alvey-Ferguson Co
Barrett Electronics Corp
Link Belt Co
Power-Curve Conveyor Co
Rapids-Standard Co Inc
SI Handling Systems Inc

CONVEYORS, Truck Body

Link-Belt Co
Rapids-Standard Co Inc
WATSON CO H S

COOLING SYSTEM FILTER

Baldwin Mfg Co J A
FORD DIV FORD MOTOR CO
FRAM CORP
Hilliard Corp Purifier Div
Hollingshead Corp R M
Perry Filter Div
Purolator Products Inc

COOLING SYSTEM FLUSHER

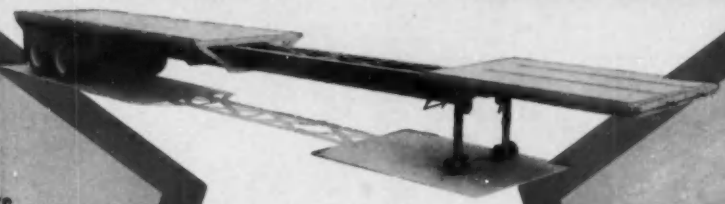
Aero-Motive Mfg Co
Arsco Mfg & Sales Corp
Bardahl International Corp
Choldun Mfg Corp
du Pont de Nemours & Co E I Grasselli Chemical Dept
FORD DIV FORD MOTOR CO
Grace Products Inc
Hollingshead Corp R M
HYPRESSURE JENNY DIV
KENT-MOORE ORGANIZATION INC
Liquid Veneer Corp
MOPAR DIV CHRYSLER CORP
Service Supply Co
Sodrin Corp
Stanley Co Inc John T MOBO Div
UNION CARBIDE CONSUMER PRODUCTS CO DIV
U S Chemical & Supply Co

A STAR Performer With Any LOAD

Transporting a 58', 18-ton pre-stressed beam. Accomplished with ease when deck is extended to open length of 55'.

The movement of an 85' crane boom. Return trip was quickly made with the deck closed to 35' length (no permit required). Note there is no sagging or binding.

A TRULY TREMENDOUS TRAILER for HEAVY HAULERS, MOVERS and RIGGERS, the CONCRETE PRODUCTS INDUSTRIES, STEEL HAULERS, the OIL and GAS INDUSTRIES... in fact WHEREVER TRAILERS are used this model should be considered

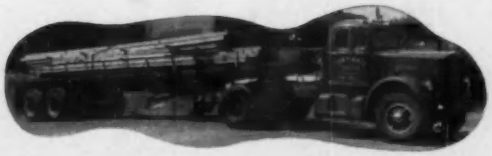


ROGERS® X-TENDIBLE HIGH-FLATS

Model HFT-25-X

Weight . . . . . .11,800 lbs.
Open Length . . . . . 55 ft.
Closed Length . . . . 35 ft.

The TWO-WAY CONVERSION FEATURE makes it an ideal DUAL PURPOSE UNIT for HAULING BOOMS or BEAMS, STEEL or SLABS, PIPE or PAPER ROLLS, WRECKAGE or RIGGING ...YOU NAME IT! INVESTIGATE



The same trailer which hauled the beam now is closed to standard high-flat length and efficiently handles concrete forms and miscellaneous equipment.

A sizable cargo of heavy steel beams is readily accommodated and carried on the expansive 55' deck of the X-TENDIBLE HIGH-FLAT. No dog tracking, swaying or whipping.

If you operate **one** or a **whole fleet** of trailers you'll profit by investigating this unique X-TENDIBLE HIGH-FLAT-TRAILER. Its amazing reception by all segments of industry where moving and hauling is done, speaks for its ability as a Star Performer with any load.

Why buy a conventional high-flat and pole trailer when for 35% less you can own this new "2 in 1" rig which affords the operational features of both. Costly permit problems are cut in half.

New lightweight axle suspension affords freedom of movement in turns with smoother riding. Basic force brakes with wide 7" shoes are free of hop and chatter.

ROGERS *The Ultimate in Trailers*

ROGERS BROTHERS CORPORATION
ALBION, PENNSYLVANIA

Write direct or have your ROGERS dealer show and tell you all the facts.

● More details? Circle 150 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

CRANES TO CYLINDER HONES

COPPER SHIMS *See Shims & Shim Stock*

COPPER TUBING *See Tubing, Brass, Copper & Steel*

CORD, TIRE *See Tire Cords*

CORES, RADIATOR *See Radiators, Engine Cooling*

CORROSION PREVENTIVE *See Radiator Rust Inhibitors*

COUPLERS, TRAILER ELECTRICAL *See Connectors, Trailer Electric*

COUPLERS, TRAILER *See Trailer Hitches*

COVERINGS FLOOR *See Floor Covering*

COVERS, RADIATOR GRILLE *See Radiator Covers (Fabric)*

COVERS, TRUCK AND TRAILERS *See Tarpaulins*

CRACK & FLAW DETECTORS *See Magnetic Inspection Equipment*

CRANES, Crawler and Truck Mounted

(See also Hoists, Chain & Cable)

American Hoist & Derrick Co
Baldwin Lima Hamilton Corp (Austin-Western)
Bay City Shovels Inc
Bucyrus-Erie Co
Coles Cranes Inc
HARNISCHFEGER CORP (P & H)
Hyster Corp
Insley Manufacturing Corp
Koehring Co
Link-Belt Speeder Corp
Manitowoc Engineering Corp
Marion Power Shovel Co
Northwest Engineering Co
Schield Bantam Co
Thew Shovel Corp (Lorain)
Unit Crane and Shovel Corp

CRANES, Monorail

American Monorail Co
Cleveland Crane & Engrg Co
Detroit Hoist & Machine Co
HARNISCHFEGER CORP
Industrial Crane & Hoist Ingersoll Products Div
Louden Machinery Co
Michigan Crane & Conveyor Co
Northern Engineering Wks

CRANES, PORTABLE *See Hoists, Chain & Cable*

CRANES, Service Truck or Shop

All State Engineering Co
American Truck Body Co
Ashton Equipment Co
Auto Crane Co
AUTO SPECIALTIES MFG CO
Auto Truck Steel Body Co
BLACKHAWK AUTOMOTIVE DIV
Burtchaell Heating Co
Cam Tool Co
Cemco Industries Inc
Collins & Associates Inc
Daybrook Hydraulic Div
Focowil Corp
Gar Wood Industries Inc
Guibert Steel Co
Hartman Metal Fabricators Inc
HOLMES CO ERNEST
Howell Industrial Truck Co
Ideal Crane Co
Manley Div
Modern Hydraulics Inc
Myers Tire Supply Co
Rockford Crescent Mfg Co
Ruger Equipment Inc
Sasgen Derrick Co
Silent Hoist & Crane Co
Skagit Steel & Iron Works
Stanco Mfg & Sales Inc
Star Machine & Tool Co
Stimmel Winch Co
Stratton Equipment Co
Thern Machine Co
Truck Equipment Co
Uhrden Inc
Unit Mfg Co
Ven Corp
WATSON CO H S
Weld-Built Body Co

CRANKCASE ADDITIVES *See Additives, Fuel & Oil*

CRANKCASE OIL DRAINERS *See Oil Drainers*

CRANKCASE OIL RECLAIMERS *See Oil Reclaimers*

CRANKCASE SLUDGE REMOVING COMPOUNDS *See Compounds Crankcase Sludge Removing*

CRANKCASE VENTILATORS

AC SPARK PLUG ELECTRONICS DIV
Donaldson Co
FRAM CORP
Monarch Tool & Machinery Co
Oildex Corp
Ryder Mfg Co

CRANKSHAFTS, Reconditioned

(advertiser only)
MORCO INC

CRANKSHAFT BALANCING MACHINES

John Bean Div
BEAR MANUFACTURING CO
Lempco Products Inc

CRANKSHAFT & CAMSHAFT GRINDERS

Evans Reamer & Machine Co
Landis Tool Co
Lempco Products Inc
Norton Co
Storm-Vulcan Inc
SUNNEN PRODUCTS CO
VAN NORMAN MACHINE CO
Waterbury Tool Div
Winona Tool Mfg Co

CRAWLER TRACTORS *See Tractors, Crawler*

CREEPERS, Mechanic

Ashland Mfg Co
Balcrank Inc
Clinton Products Co
Grigg Specialty Tools
Huffman Mfg Co Automotive Div
Kay-Wood Products Inc
Kennedy Service Tools Co
Lawson Co F H
Lisle Corp
P & B Specialties Co
Parker Prods Co
Rush Mfg Co E S
Smash-Proof Co
SNAP-ON TOOLS CORP
Stream Line Tools Inc
Wilson Inc K R

COMBUSTION ANALYZERS *See Analyzers, Combustion*

CURRENT AND VOLTAGE REGULATORS *See Regulators*

CUSHIONS, SEAT *See Seat Cushions*

CUTTERS, TUBING *See Tubing Cutters*

CYLINDER BLOCK SEALERS *See Radiator Sealing Compounds*

CYLINDER BONDING MACHINES (for cracked blocks)

K & W Products Inc
Mercury Electric Corp
Moguloid Co of America

CYLINDER BORING BAR *See Boring Bar*

CYLINDER COMPRESSION GAGES *See Compression Gages*

CYLINDER DE-GLAZERS *See De-Glazers*

CYLINDER GAGES *See Dial Indicator Gages or Micrometers*

CYLINDER HONES

AMMCO TOOLS INC
Barnes Co W F & John
Barnes Drill Co
BARRETT EQUIPMENT CO
EIS AUTOMOTIVE CORP
HALL-TOLEDO INC
HASTINGS MFG CO
HERBRAND DIV
Kennedy Service Tools Co
KENT-MOORE ORGANIZATION INC

● More details? Circle 151 on reply card inside back cover——→

GMC

GENERAL MOTORS CORPORATION

TRUCKS

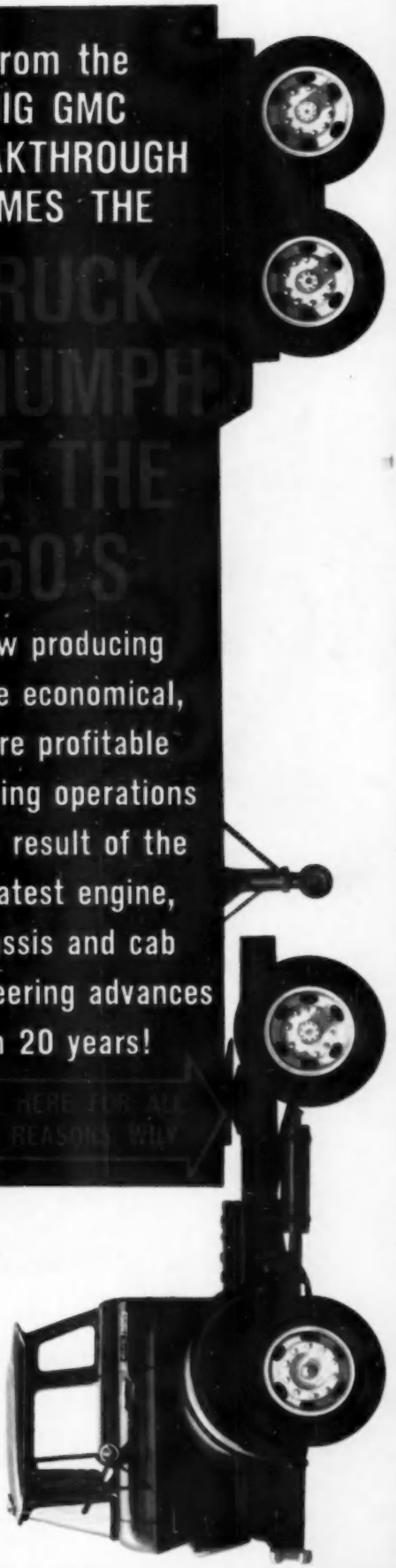
From ½-ton to 60-ton
General Motors leads the way!

From the
BIG GMC
BREAKTHROUGH
COMES THE

TRUCK TRIUMPH OF THE 60'S

Now producing more economical, more profitable trucking operations as a result of the greatest engine, chassis and cab engineering advances in 20 years!

TELL MERE TOP ALL THE REASONS WHY



GMC

GENERAL MOTORS CORPORATION

TRUCKS

From ½-ton to 60-ton
General Motors leads the way!

GMC V-6 AND

CUT TON-MILE COSTS THE EASY W

It's simple with new GMC V-6 diesel-powered Conventional M
Inchers and Steel Tilt-Cabs. Here's why: You have short BBC d
sions and increased front axle loading for bigger payloads. M
nance costs are cut to rock bottom with dependable powe
precision construction. And with GMC diesel trucks, you get com
one-stop parts and service for both the chassis and engine at
GMC Diesel Truck Dealer... more road-time, less down-time.

Haul bonus payloads with front axle set back 52 inches. Haul the longer trailers with a BBC of only 72 inches. Wheelbases are short for easy maneuvering even in the tightest spots. Biggest safety vision available. Four and six-wheel diesel models from 32,000 lbs. GVW to 76,800 lbs. GCW.

Favorite of owners and mechanic
that completely exposes the
accessories. Saves service t
pense. Stationary island keep
proper alignment at all times

D V-8 DIESEL TRUCKS

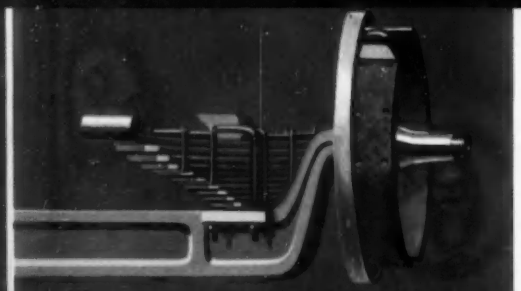
WAY!

al Ninety-
BC dimen-
s. Mainte-
ower and
complete
e at every
ne.

hanics . . . full-tilt
the engine and
ce time and ex-
keeps controls in
mes.

Haul 120,000 lbs. GCW anywhere with this biggest GMC Truck ever built—the DBW9000 Series. It's as massive and rugged as it looks; solidly built throughout every inch to maintain the superior reliability that fleet owners have established as the industry standard. Other 90" BBC diesels from 30,000 lbs. GVW and 60,000 lbs. GCW for every haul.

KS ARE SETTING NEW P



Get longer axle life with new, stronger I-beam front axles. Shorter turns, too, with increased front tread and wider spring centers.

Less foot pressure and more positive action are standard with GMC's hydraulically-actuated clutch. You get big lining areas and extra life, too.

For the toughest, full-load starts or no-load highway speeds you have the proper final drive ratios to meet your needs exactly. It's easy with GMC's wide selection of transmissions and rear axles.

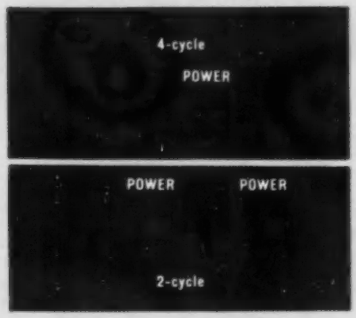
MORE POWER PER DOLLAR! MO

GMC Truck V-6 and V-8 diesels are the proved, smoother, faster acceleration. They're hundred

Greatest combustion efficiency is yours with maximum air intake from the three-lobe, Roots-type blower. Better high-altitude performance than "naturally" aspirated engines.

Save up to 5% on fuel, get up to 12 extra horsepower with GMC's exclusive, standard automatic hydraulic fan.

Engine speed is positively controlled to the most efficient rpm to save fuel and needless wear with economy range governor—another GMC Truck exclusive.

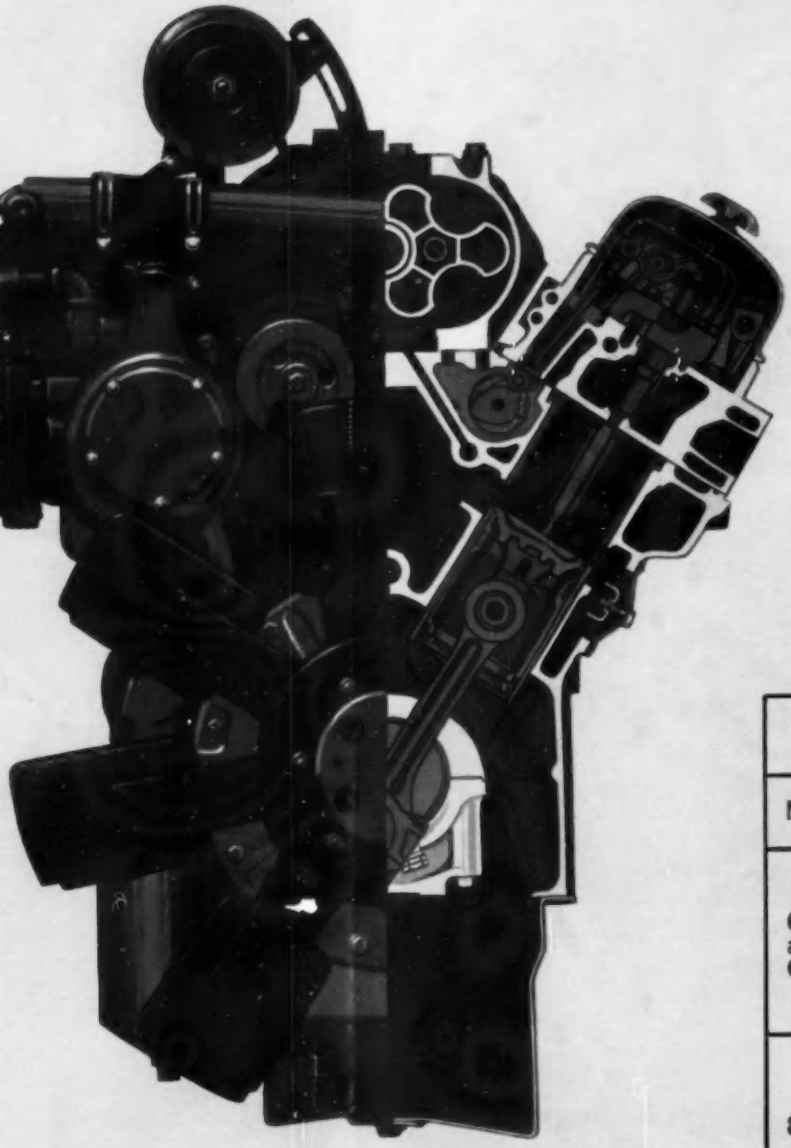


Smoother, faster acceleration! GMC 2-cycle design delivers power each downstroke of every piston, 2 times as often as in a four-cycle engine. There're no waste-strokes. No power-lag.

PERFORMANCE AND EC

MORE POWER PER CUBIC INCH! MORE POWER PER POUND!

ed, efficient 2-cycle power plants that produce load-moving power on every downstroke . . . dreds of pounds lighter and several inches shorter than comparable diesel engines.



Four exhaust valves for each cylinder (not just 1 or 2) assure more complete exhaust scavenging, give a cooler-running engine, lengthen valve life and provide more complete fuel combustion.

Replaceable dry-type cylinder liners are leak-proof, quick and easy to service.

Free-up capital, cut inventories with the wide parts interchangeability of GMC Truck diesel engines.

Performance-Match Every Diesel Power Need

Model	Gross Torque Range	Max. Horsepower
6V-71 and 6-71SE	577 @ 1200 *604 @ 1200	189 @ 1800 to 210 @ 2100 *197 @ 1800 to *218 @ 2100
8V-71	734-770 @ 1200 *758-805 @ 1200	236 @ 1800 to 280 @ 2100 *243 @ 1800 to *290 @ 2100

*at sea level

ONOMY RECORDS IN FL

HAUL MA
WEIGHT

Earn up to
extra payloa
up exclusive
big 67,085-

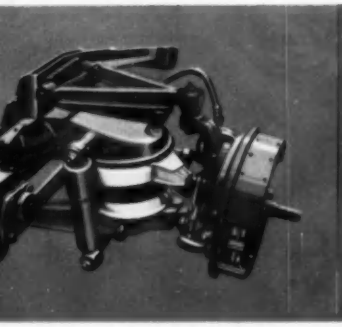
Easiest-handling,
the road—results
ard independen
Stabilized Air Ri
and jolts are lev
life are increas
tion. Happier, m

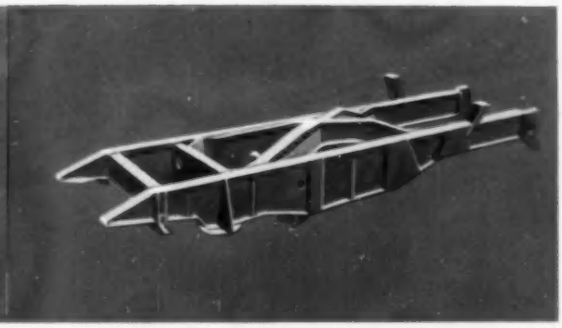
Shown: V-6 diesel-powered DFR8000 with 28" front axle placement. 72" BBC with sleeper cab, (48" without sleeper cab). DLR8000 wi

LEETS EVERYWHERE!

MAXIMUM LOADS IN EVERY STATE WITH SHORTEST, LIGHTEST-IT TILT-CAB TRACTORS BUILT!

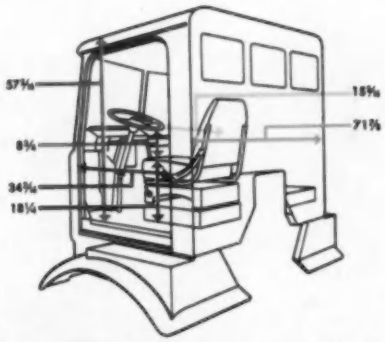
to $2000 per year extra! Join fleet owners all across the country who haul 2000 pounds yload every trip. It's easy with this aluminum-light GMC that is designed from the ground sively for highway hauling. For example: Road-ready weight is only 9,715 lbs. to give you a 85-lb. body and payload allowance with just 76,800 lbs. GCW.





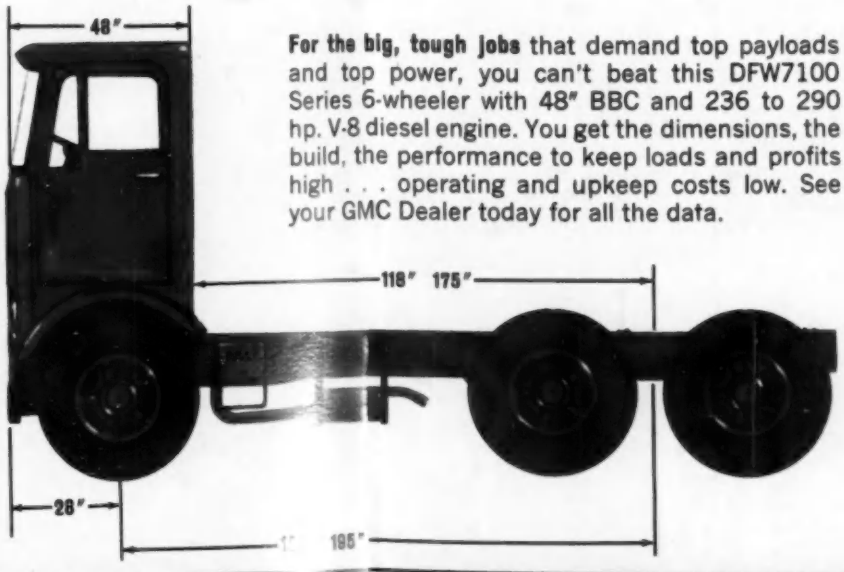
ling, smoothest-riding tractors on sults of GMC's exclusive, stand-ndent front suspension and ir Ride, front and rear. Bumps e leveled off. Truck and trailer reased. Greater cargo protec-er, more alert drivers.

"Dead weight" cut 400 pounds! Rigidity upped 28 times! Another GMC exclusive—light-weight, welded I-beam frame construction that eliminates needless truck weight to haul more payload pounds, yet, there's plenty of reserve strength without rein-forcements even for fluid loads.



Roomiest, most-comfortable cab of all! Drivers have all the comforts of passenger cars . . . biggest comfort, safety and convenience dimensions of any aluminum tilt-cab. Spe-cial sponge rubber completely insulates the cab. Seat adjusts in every direction, steering column 1½" vertically.

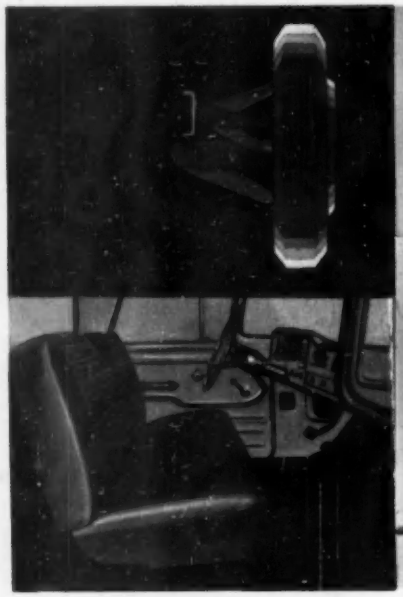
00 with 50" front axle placement also available.

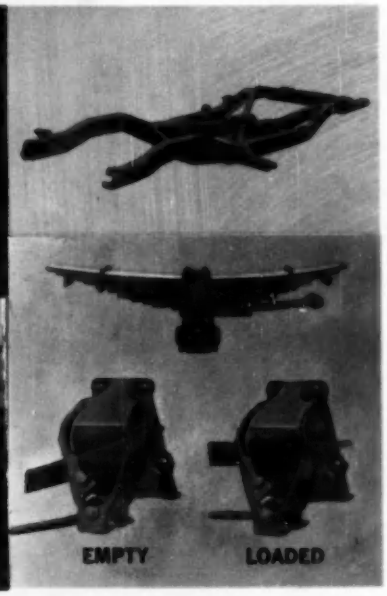


For the big, tough jobs that demand top payloads and top power, you can't beat this DFW7100 Series 6-wheeler with 48" BBC and 236 to 290 hp. V-8 diesel engine. You get the dimensions, the build, the performance to keep loads and profits high . . . operating and upkeep costs low. See your GMC Dealer today for all the data.

All roads are smoother with GMC's independent front suspension because each wheel cushions bumps separately. Friction-free, maintenance-free torsion bars replace leaf springs. One ride will convince you there's nothing better.

Truck and cab life are increased with extra-rigid frames of completely new design and construction. They're up to 35% stronger, too, to carry biggest loads under the most extreme hauling applications.



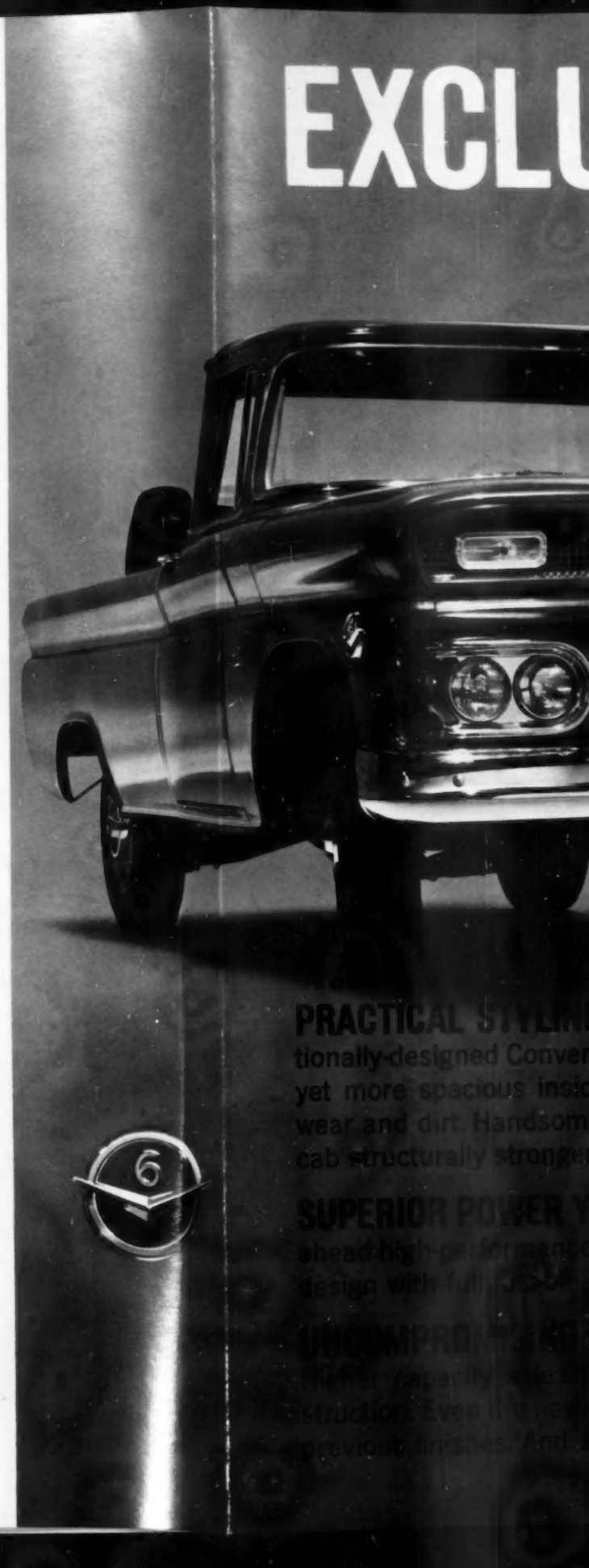


Deluxe quality is standard in GMC cabs! All these extra values cost nothing extra: foam rubber seats, steel-framed door windows to prevent chipping, rust inhibitor between door panels, extra room everywhere.

Bigger the load, stiffer the springs. This is how GMC vari-rate rear springs work, automatically. 3 inches wide, yet they are up to 100 lbs. lighter than springs of previous design. Bottom leaf transmits all braking and torque forces.

BIGGEST LOADS OF ALL!

Up to 30% more than others in its class. This new Jr. Van multi-stop truck has 243 cu. ft. load area. Unitized, all-steel construction makes it stronger, lighter and longer-lived than ordinary designs. Power is the time-proved, 133 hp. six cylinder engine. GVW—5,200 lbs.



LUSIVE GMC V-6 AND T

ING YOU LIKE! Bold, distinguished and func-
ventional GMC Trucks are up to 10 inches lower,
side. Sensibly-colored interiors and seats resist
ome cadet peaks and sculptured sides make this
ger.

YOU WANT! No other pickups offer the years
nge, fuel-saving V-6 engines. Compact, stronger
power at low, life-prolonging speeds.

DURABILITY (NUNDED) Rugged frame
leaf springs, brakes, curbs, etc. Tilt Cab
cool under hoods, drivers longer than
extra durability and more economical

PERFECTLY MATCHED TO YO
AND SCHEDULES! No one else offers y
weight range . . . the GMC 4000 Series that can b
factory options to your exact specifications to keep
profits up.

CHOOSE FROM: 3 exclusive V-6 engines—150, 165 or 180
engine combinations. ■ Vacuum or full air brakes. ■ 10
forcements. ■ GVW—19,500, 22,000 or 23,000 lbs. Plus

Tilt-Cab
Series with

Convention
Series with

ND TWIN-SIX GAS-POWE

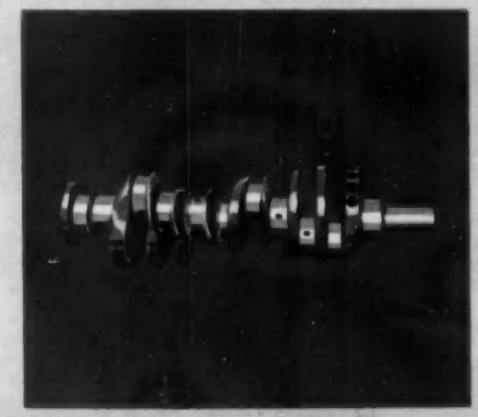
ATCHED TO YOUR LOAD, ROAD,

LES! No one else offers you all these variables in this MC 4000 Series that can be custom-fitted with standard exact specifications to keep hauling time and costs down,

V-6 engines—150, 185 or 180 hp. ■ 34 rear axle-transmission-acuum or full air brakes. ■ 10 different tire sizes. ■ Frame rein-00, 22,000 or 23,000 lbs. Plus everything desired in this range.

ONLY FROM G
V-6

Here are the gas engines that are the talk of the trucking industry! Exclusive extended-life GMC V-6s are built only for trucks. High, usable power output over a broad range at low engine speed gives you the torque to get loads moving and the horsepower to maintain high sustained road speeds. New V-6s also stay on the job longer, cut fuel and maintenance costs. Here are a few reasons why:



You get exceptional engine durability with tough, rigid crankshafts that are twice as husky as comparable V-8s to resist deflection. Big journal overlap and up to 60% more bearing area add to engine life, too.

Rock-solid strength and rigidity are the natural results of the short block with deep skirt 3" below crankshaft centerline, generous internal reinforcements and staggered cylinders. Damaging deflection is practically eliminated.

ERED TRUCKS ARE BU

GMC—LONGER-LASTING, HIGHER-POWERED
-6 AND TWIN-SIX GAS ENGINES!

This is the most powerful gas engine offered as standard equipment in trucks today . . . exclusive GMC 702 Twin-Six. Notice the high power at low rpm . . . the low-stress, easy-stroking speed that greatly extends engine life, saves fuel, reduces gear shifting up to 60%, permits you to maintain higher sustained road speeds. Just one trip behind the wheel will prove the unsurpassed performance.

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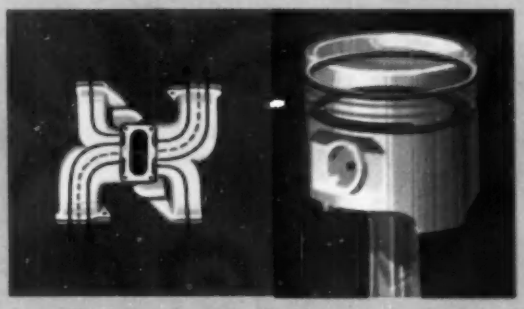
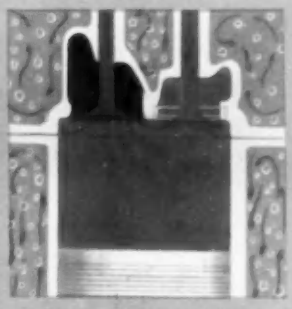
Exclusive Power for Bonus Earnings on Every Haul		
Model	Gross Torque Range	Max. Horsepower
305A	258-260 @ 1400-2200	150 @ 3600
305B	264-266 @ 1100-2000	150 @ 3600
305C	268-270 @ 1200-2100	165 @ 3800
351	308-312 @ 1400-2400	180 @ 3400
401	375-377 @ 1200-2000	210 @ 3400
[illegible]	[illegible]	[illegible]



Smoother, maximum power from every drop of fuel starts with equal fuel-air mixture to each cylinder. This is accomplished with the short, individual intake manifold inlets, as shown.

Better oil control and longer life are the benefits of GMC-built aluminum pistons with cast-in steel expansion control band and steel ring groove insert for the chrome-plated top ring. Leaks and uneven wear are minimized.



Engine and valve life are increased with temperature variation held within 4 degrees throughout the entire system. Up to 176 gallons of coolant circulating every minute does away with "hot spots", even around critical exhaust valves.

LT TO OUT-PERFORM, OU

HIGHEST PERFORM
TRUCK

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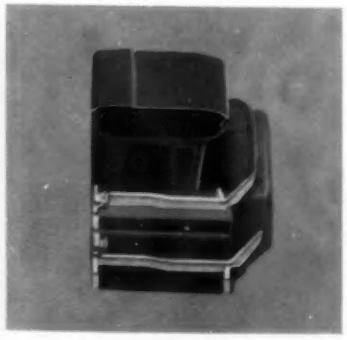
GVW

GMC TRUCK
Guardian Maintenance
QUALITY SERVICE

GMC cabs last and last on every job because they are built extra strong, reinforced at all stress areas. Notice the big, long sills and double-wall design. The entire cab is phosphate coated to protect against rust and corrosion.



FOR COMPLETE PROFIT-FACTS, SEE YOUR GMC DEALER LISTED IN THE YELLOW PAGES OR ANY OWNERS OF NEW GMC

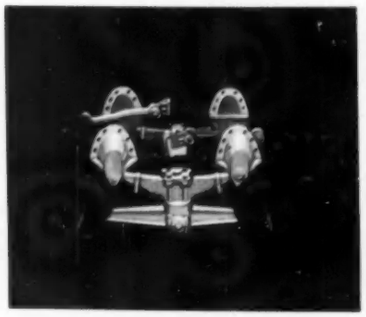
UT-EARN ALL OTHERS!

RMING STANDARD GAS-POWERED CKS ON THE ROAD!

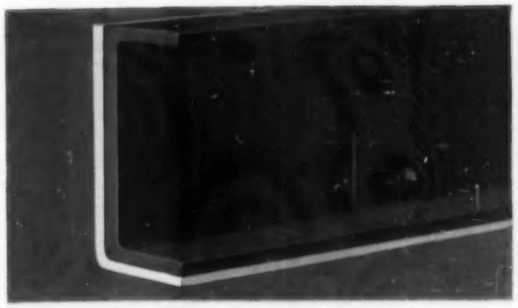
Maintain tightest schedules, haul biggest payloads with GMC Twin-Six Conventional Ninety-Inchers that cover the range from 31,000 lbs. GVW to 120,000 lbs. GCW. Greatest power, short BBC dimensions and forward axle position make all this possible. A demonstration is worth a thousand words. Drive one today.

No other trucks offer all this—easy-to-service steel tilt-cab with 72-inch BBC, front axle set back 52 inches, 275 hp. 12-cylinder engine, controls mounted on stationary control island, extremely short turning and short wheelbases. Ratings from 33,000 lbs. GVW to 76,800 lbs. GCW.

More payloads, less service is possible with these GMC tandems due to simplified, lightweignt design. Greater stability with lower center of gravity. Longer axle and tire life with 50% load on each rear axle at all times. Four-point mountings eliminate concentrated frame stresses.



Reserve strength for the roughest job. For example, this high-tensile steel frame measures 10 1/16 x 3 1/2 x 5/16 and has a standard L-type reinforcement to take the biggest axle loadings, capacity payloads on any hauling job.



GMC TRUCKS. GMC Truck and Coach • a General Motors Division • Pontiac, Michigan

EXCLUSIVE GMC

PRACTICAL STYLING YOU LIKE! Bold, distinguished and functionally-designed Conventional GMC Trucks are up to 10 inches lower, yet more spacious inside. Sensibly-colored interiors and seats resist wear and dirt. Handsome cadet peaks and sculptured sides make this cab structurally stronger.

SUPERIOR POWER YOU WANT! No other pickups offer the years-ahead high-performance, fuel-saving V-6 engines . . . compact, stronger design with full, usable power at low, life-prolonging speeds.

UNCOMPROMISING DURABILITY YOU NEED! Stronger frames. Higher capacity axles [illegible] Durable, [illegible] cab-to-frame construction. Even the [illegible] lasting [illegible] than previous finishes [illegible] extra durability and value is standard.

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

CYLINDER LINERS TO DIRECTIONAL SIGNALS

CYLINDER HONES—*continued*

Keystone Reamer & Tool Co
Lisle Corp
Micromatic Hone Corp
Moline Tool Co
OWATONNA TOOL CO
SNAP-ON TOOLS CORP
Staple Engrg Co
Storm-Vulcan Inc
SUNNEN PRODUCTS CO
UNITED PARTS DIV
WAGNER ELECTRIC CORP
Wilson Inc K R

CYLINDER LINERS (Sleeves)

ALLIED AUTOMOTIVE PARTS CO
ALUMINUM INDUSTRIES INC
Badger Mfg Co
Campbell Wyant & Cannon Foundry Co
DELCO MORAINE DIV
Dura-Bond Engine Parts Co
FORD DIV FORD MOTOR CO
Frank Foundries Corp
Hub City Iron Co
Janney Cylinder Co
McQUAY-NORRIS MFG CO
Nylen Products Inc
Ohio Piston & Machining Co
SEALED POWER CORP
Shenango Furnace Co Centrifugal Cast Products Div
Thompson Products Replacement Div
Toledo Steel Products Div
Versnick Mfg Co
White Machine Works

CYLINDER LINER (SLEEVE) PULLERS *See Pullers*

CYLINDER LUBRICATORS *See Lubricators, Upper Cylinder*

CYLINDER RIDGE REAMERS *See Ridge Reamers*

DECALCOMANIAS

Academy Decals
Allied Decals Inc
American Decalcomania Co Inc
Engine Accessories Mfg Co
Excello Specialty Co
MEYERCORD CO
Mulholland-Harper Co
Multi-Color Process Co
Ohio Decalcomania Co
Palm Bros Decalcomania Co
Palm Fechteler Co
Permalux Co
Process Design Co
Regal Air Corp
Screenmasters

DEFROSTING FANS *See Fans, Defrosting*

DE-GLAZERS, Cylinder

AMMCO TOOLS INC
Burd Piston Ring Co Div
HALL-TOLEDO INC
HASTINGS MFG CO
HERBRAND DIV
Kennedy Service Tools Co
KENT-MOORE ORGANIZATION INC
Lisle Corp
OWATONNA TOOL CO
SNAP-ON TOOLS CORP
Storm-Vulcan Inc
WILKENING MFG CO

DEGREASERS, METAL PARTS *See Cleaning Machines*

DEGREASING COMPOUNDS *See Cleaning Compounds & Solvents*

DEPRESSORS, BRAKE PEDAL *See Brake Pedal Depressors*

DERRICKS, *See Cranes, Heavy-Duty, Construction*

DETECTORS, CARBON MONOXIDE *See Alarms, Carbon Monoxide*

DETERGENTS, VEHICLE WASHING *See Cleaning Compounds & Solvents*

DIAL INDICATOR GAGES

Ames Co B C
BARRETT EQUIPMENT CO
Boice Gages Inc
Federal Products Corp
HALL-TOLEDO INC
Hanlo Gage Co
Hanson Co Harvey E
KENT-MOORE ORGANIZATION INC
Lincoln Park Industries Inc
McQUAY-NORRIS MFG CO
Nilsson Gage Products Inc
Omega Service Parts Corp
The Partlow Corp
Rochester Mfg Co Inc
Sheffield Corp
SNAP-ON TOOLS CORP
Standard Gage Co
Starrett Co
SUNNEN PRODUCTS CO
Sweeney Mfg Co B K
Velvac Inc

DIESEL ENGINES *See Engines, Diesel*

DIESEL EQUIPMENT TESTERS

Allis-Chalmers Mfg Co Engine Material Handling Div
BACHARACH INDUSTRIAL INSTRUMENT CO
BOSCH CORP ROBERT
Diesel Control Corp
KENT-MOORE ORGANIZATION INC
MAGNAFLUX CORP

DIESEL FUEL *See Fuels, Engine*

DIESEL FUEL ADDITIVES *See Additives, Fuel & Oil*

DIESEL FUEL FILTERS *See Fuel Filters, Diesel*

DIESEL FUEL PUMPS *See Fuel Pump, Diesel*

DIESEL INJECTORS *See Injectors, Fuel*

DIESEL TRUCKS *See Trucks, Diesel*

DIESEL STARTING FLUID *See Starting Fluid*

DIFFERENTIAL RING GEARS & PINIONS *See Axle Ring Gear & Pinions*

DIMMER SWITCHES *See Switches, Headlight Dimmers*

DIRECTIONAL SIGNALS

Advanced Mfg Inc
ANTHES DIV
ARROW SAFETY DEVICE CO
AUTO LAMP MFG CO
BETTS MACHINE CO
Black & Sons Inc Adam
Bolser Corp
BOSCH CORP ROBERT
Carolina Metal Products Inc
Columbus Metal Products Inc
DIETZ CO R E
DO-RAY LAMP CO INC
ELECTRIC AUTOLITE CO
Electric Service Works Delta Star Electric Div
Electro Mechanical Products Co
FORD DIV FORD MOTOR CO
GENERAL ELECTRIC CO MINIATURE LAMP DEPT
GRIFFIN LAMP CO
GROTE MFG CO INC
GUIDE LAMP DIV
Holan Corp J H
Industrial Scientific Co
K-D LAMP CO
King Bee Mfg Co
MOPAR DIV CHRYSLER CORP
Parker Products Inc
Peterson Mfg Co
Rayl Mfg Co
Ring-Wald Products
S & M Lamp Co
SIGNAL-STAT CORP
SPARTON AUTOMOTIVE DIV
Speaker Corp J W
Standard Carriage Wks Inc
Trippe Mfg Co
TUNG-SOL ELECTRIC INC
U S Metal Products Co
UNITED MOTORS SERVICE
Westinghouse Electric Corp Lamp Div
YANKEE METAL PRODUCTS CORP

hot tip for truck

AC's exclusive Hot Tip heats faster to stay clean longer—cools faster to prevent power-robbing pre-ignition.

AC SPARK PLUG ⊛ THE ELECTRONICS DIVISION OF GENERAL MOTORS

POWER

Greater power return from your truck engines is assured by AC Fire-Ring Spark Plugs—the only spark plugs with Hot Tip design to give you longer-lasting total power throughout thousands of load-carrying miles. Always select AC and get exclusive truck-tough spark plugs that give you:

POWER

Quality assured by Ignition Engineers in every stage of design, manufacture and product reliability testing.

POWER

Sustained ground-gaining power that also means mileage-boosting economy for reduced operating costs.

POWER

Engineered to meet every engine's exact power requirements from the industry's most complete spark plug line.

SPECIFY—INSTALL AC

FIRE-RING

SPARK PLUGS

▷ ▷ ▷ ▷ ▷ ▷ PRODUCER OF POWER FOR THE TRUCKING INDUSTRY

For addresses of manufacturers, see Manufacturers Directory starting on page 236

DIRECTIONAL SIGNAL FLASHERS TO ENGINES

DIRECTIONAL SIGNAL FLASHERS

Advanced Mfg Co
ANTHES DIV
ARROW SAFETY DEVICE CO
AUTO LAMP MFG CO
BETTS MACHINE CO
Bolser Corp
BOSCH CORP ROBERT
COLE-HERSEE CO
DIETZ CO R E
DO-RAY LAMP CO INC
FORD DIV FORD MOTOR CO
GRIFFIN LAMP CO
GROTE MFG CO
Ideal Corp
K-D LAMP CO
MACCHI & CO
MOPAR DIV CHRYSLER CORP
Peterson Mfg Co
Ring-Wald Products Inc
S & M Lamp Co
SIGNAL-STAT CORP
SPARTON AUTOMOTIVE DIV
Speaker Corp J W
Standard Carriage Wks Inc
TUNG-SOL ELECTRIC INC
Westinghouse Electric Corp Lamp Div
YANKEE METAL PRODUCTS CORP

DIRECTIONAL SIGNAL SWITCHES

Advanced Mfg Inc
All-O-Matic Mfg Co
ANTHES DIV
ARROW SAFETY DEVICE CO
AUTO LAMP MFG CO
BETTS MACHINE CO
Bolser Corp
BOSCH CORP ROBERT
Carter Parts Co
COLE-HERSEE CO
Columbus Metal Products Inc
DELCO-REMY DIV GENERAL MOTORS CORP
DIETZ CO R E
DO-RAY LAMP CO INC
FORD DIV FORD MOTOR CO
GROTE MFG CO GUIDE LAMP DIV
Indak Mfg Corp
K-D LAMP CO
Miro-Flex Co
Mitchell Specialty Div Industrial Enterprises Inc
MOPAR DIV CHRYSLER CORP
Paragon Products Corp
Peterson Mfg Co
Pollak Corp Joseph
Power Brake Parts Mfg Co
Ring-Wald Products Inc
S & M Lamp Co
SAGINAW STEERING GEAR DIV
SIGNAL-STAT CORP
SPARTON AUTOMOTIVE DIV OF SPARTON CORP
Speaker Corp J W
Standard Carriage Wks Inc
Valley Forge Products Inc
Wade Electric Products Co
WEATHERHEAD CO
YANKEE METAL PRODUCTS CORP

DISCS, ABRASIVE *See Sandpaper*

DISPENSERS, GREASE *See Lubricators*

DISTRIBUTORS, IGNITION *See Ignition Distributors*

DISTRIBUTOR PARTS *See Ignition Parts*

DISTRIBUTOR TESTERS *See Ignition Distributor Tester*

DIVIDERS *See Calipers & Dividers*

DOCK RAMPS, Adjustable

Adeco Construction Co Autoramp Div
Allied Products Div
American Dockbridge Inc
Auto-Mechanical Dock Board Inc
Brooks & Perkins Inc
Bustin Steel Products Inc
Cemco Industries Inc
Freightliner Corp
Gentry Body & Trailer Co
GLOBE HOIST CO
The Hamilton Tool Co
Hartman Metal Fabricators Inc
Herman Co Karl A
Kelley Co
Langsenkamp Co F H
Loomis Machine Co
Magline Inc
Magnesium Co of America
Raymond Corp
Revolvator Co
Rotary Lift Co
Rowe Methods Inc
Woodford Mfg Co

DOLLIES, AXLE *See Axle Dollies*

DOLLIES, TRANSMISSION *See Jacks Transmission*

DOLLIES WHEEL *See Wheel Dollies*

DOME LAMPS, *See Lamps, Back-up Clearance etc*

DOOR OPENERS (BUS) *See Bus Door Motors*

DOORS, Overhead, Garage

Barber-Colman Co
Better-Bilt Door Co
KINNEAR MFG CO
MAHON CO R C
MORRISON STEEL PRODUCTS INC
Overhead Door Corp

DOORS, Overhead Truck & Trailer

Barber-Colman Co
Barkow Co H
Collins & Associates Inc
Hackney & Sons J A
Hobbs Trailers
KINNEAR MFG CO
Kirk & Blum Mfg Co
Met-L-Wood Corp
MORRISON STEEL PRODUCTS INC
Overhead Door Corp
Polar Hardware Mfg Co
Standard Carriage Wks Inc
Truk-A-Door Co

DOORS, Truck, Steel

Andrews Industries Inc
Collins & Associates Inc
Hackney & Sons J A
KINNEAR MFG CO
Kirk & Blum Mfg Co
Met-L-Wood Corp
MORRISON STEEL PRODUCTS INC
Peterson Products
Truk-A-Door Co

DRAIN COCKS

Acme Air Appliance Co
Anderson Brass Co
BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
Commonwealth Brass Corp
Consolidated Brass Co
Curtis Automotive Devices Inc
Dole Valve Co
DORMAN PRODUCTS
Edelmann & Co E
EVERHOT MFG CO
Everhot Products Co
Excello Accessories Mfrs Inc
FORD DIV FORD MOTOR CO
IMPERIAL BRASS MFG CO
Lincoln Brass Works
Loock & Co R J
Lunkenheimer Co
OEM Products Co
Republic Gear Co
Velvac Inc
WEATHERHEAD CO FT WAYNE DIV

DRAIN PLUGS, Crankcase

Accurate Products Inc
Allen Mfg Co W D
Champ-Items Inc
DORMAN PRODUCTS INC
EVERHOT MFG CO
Everhot Products Co
FORD DIV FORD MOTOR CO
Highland Mfg Co

Hill Nut Co
Lisle Corp
Magnetic Drain Plug Co
OEM Products Co
Perfect Parts Inc
Set Screw & Mfg Co
Taylor & Boggis Foundry
Tourek Mfg Co J J
U S Plug & Fitting Co
Universal Lubricating Systems Inc
WEATHERHEAD CO

DRAIN PLUGS, Magnetic

Engine Accessories Mfg Co
Lisle Corp

DRAINERS, CRANKCASE OIL *See Oil Drainers*

DRILLS

DRILLS, Portable Electric

ALBERTSON & CO
BLACK & DECKER MFG CO
CHICAGO PNEUMATIC TOOL CO
Chicago Tool & Kit Mfg Co
Cummins Portable Tools Div
Dumore Co
INGERSOLL-RAND CO
Jones Motorola Corp
Kett Tool Co
Lee Co K O
Millers Falls Co
Milwaukee Electric Tool Co
Portable Electric Tools Inc
Porter-Cable Machine Co
Remington Arms Co
Rotor Tool Co
Skil Corp
SNAP-ON TOOLS CORP
Speed Way Mfg Co
Stanley Electric Tool Div
Thor Power Tool Co
United States Electrical Tool Div
Wen Products Inc

DRILLS, Portable Pneumatic

Airetool Mfg Co
Air-Speed Tool Co
Aro Equipment Corp
Brown Tool Mfg Co
Buckeye Tools Corp
CHICAGO PNEUMATIC TOOL CO
Cleco Div
Cleveland Pneumatic Tool Co
Gardner-Denver Co
Ideal Industries Inc
INGERSOLL-RAND CO
Master Pneumatic Tool Co
Remington Arms Co
Rotor Tool Co
Skil Corp
Thor Power Tool Co
Wilson Co Thomas

DRILL PRESSES

ALBERTSON & CO INC
Atlas Press Co
Boice-Crane Co
Cincinnati Lathe & Tool Co
Cleereman Machine Tool Corp
Delta Power Tool Div
Dumore Co
ELECTRIC AUTOLITE CO
Leland-Gifford Co
Morris Machine Tool Co
Skil Corp
South Bend Lathe Inc
Thor Power Tool Co
Walker-Turner Div

DRIVE AXLES, FRONT *See Axles, Front Drive*

DRIVER TESTING & TRAINING EQUIPMENT

Allgaier Earl
Educational Device Co
Hanson Co Harvey E
Keystone View Co
Porto-Clinic Instruments Inc
Rockwell Mfg Co ("Drivotrainer")
Vaco Products Co

DRIVES, V-BELT *See Axles Belt Drive Adapter*

DRUM GAGES, BRAKE *See Brake Drum Gages*

DRUMS, BRAKE *See Brake Drums*

DRYING LAMPS *See Lamps, Drying*

DUMP BODY ANGLE INDICATORS *See Indicators*

DUMP TRUCKS *See Trucks, Dump (Construction & Off-Highway) or Bodies, Dump*

DYNAMOMETERS, Chassis

BEAR MFG CO
CLAYTON MFG CO
MAXWELL DYNAMOMETER CO
Mid-West Dynamometer & Engineering Co
Nankervis Co George L

DYNAMOMETERS, Engine

Clayborne Mfg Co
CLAYTON MFG CO
Dynamatic Div
EATON MFG CO
General Electric Co Apparatus Sales Div
Link Engrg Co
Mid-West Dynamometer & Engineering Co
Nankervis Co George L
Taylor Dynamometer & Machine Co
Toledo Scale Co
Westinghouse Electric Corp

ELECTRIC TOOLS AND EQUIPMENT *See item desired*

ELECTROLYTE, BATTERY *See Battery Electrolyte*

ELEVATING TAILGATES *See Tailgates Elevating*

EMERGENCY BRAKE LEVERS *See Brake Levers Parking*

EMERGENCY BRAKES *See Brake, Parking or Brake Emergency Systems*

EMERY CLOTH *See Sandpaper*

ENAMELS, *See Paints, Enamel*

ENGINES

ENGINES, Diesel

Allis-Chalmers Mfg Co Engine Material Handling Div
American Marc Inc
Caterpillar Tractor Co
Cerlist Diesel Inc
CONTINENTAL MOTORS CORP
CUMMINS ENGINE CO
Curtiss-Wright Corp
DAF of Holland Inc
DETROIT DIESEL ENGINE DIV
Diesel Energy Corp
Doan Manufacturing Div
Fageol Products Co
HERCULES MOTORS CORP
INTERNATIONAL HARVESTER CO
LEYLAND MOTORS (USA) INC
MACK TRUCKS INC
P & H DIESEL ENGINE DIV
Rootes Motors Inc
VOLVO IMPORT INC
WAUKESHA MOTOR CO
White Diesel Engine Div

ENGINES, Gasoline

Aircooled Motors Inc
Allis-Chalmers Mfg Co Buda Div
Brennan Motor Mfg Co
BROCKWAY MOTOR TRUCKS DIV
CHEVROLET MOTOR DIV
CONTINENTAL MOTORS CORP
DIAMOND T MOTOR TRUCK CO
DODGE DIV
Fageol Products Co
FORD MOTOR CO
GMC TRUCK & COACH DIV
Hall-Scott Div
Herrmann Engrg Co
INTERNATIONAL HARVESTER CO
MACK TRUCKS INC
MOPAR DIV CHRYSLER CORP
Roiline Div
Rootes Motors Inc
STUDEBAKER-PACKARD CORP
Tepco Engines Div (Rebuilt)
WHITE MOTOR CO
Willys Motors Inc
Wisconsin Motor Corp

ENGINES, Gasoline, Small

Briggs & Stratton Corp
Clinton Engines Corp
CONTINENTAL MOTORS CORP
Cushman Motor Works Inc
Fairbanks Morse & Co
FORD DIV FORD MOTOR CO
Jacobsen Mfg Co
Kermath Mfg Co
KOHLER CO
Lauson-Engine Div
McCulloch Motors Corp
Minneapolis-Moline Co

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

ENGINES, LP GAS TO FANS

ENGINES, small—*continued*

Onan & Sons Inc
Power Products Corp
Universal Motor Co
West Bend Aluminum Co
Wisconsin Motor Corp

ENGINES, LP Gas

Allis-Chalmers Mfg Co Engine Material Handling Div
Caterpillar Tractor Co
CONTINENTAL MOTORS CORP
HERCULES MOTORS CORP
INTERNATIONAL HARVESTER CO
D W Onan & Sons Inc
REO MOTORS DIV
WAUKESHA MOTOR CO
Wisconsin Motor Corp

ENGINE ANALYZERS *See Analyzers*

ENGINE BALANCERS

BEAR MANUFACTURING CO
International Research & Development Corp
STEWART-WARNER CORP

ENGINE GOVERNORS *See Governors*

ENGINE HEATERS, PREHEATING *See Heaters, Engine Preheating*

ENGINE REPAIR STANDS *See Stands, Engine*

ENGINE SUPPORTS *See Mountings, Insulated Rubber*

EXCHANGERS, HEAT *See Heat Exchanger*

EXHAUST BRAKES *See Brakes Compression Exhaust*

EXHAUST FANS *See Fans, Exhaust*

EXHAUST GAS ANALYZER *See Analyzer Combustion*

EXHAUST GAS INDICATOR *See Alarms Carbon Monoxide*

EXHAUST GAS REMOVING SYSTEMS *See Ventilators Exhaust Gas*

EXHAUST MANIFOLDS *See Manifolds*

EXHAUST & TAIL PIPES

AP Parts Corp
ALEXANDER-TAGG INDUSTRIES INC
Arvin Industries Inc
De Koven Mfg Co
Douglass Muffler Mfg Corp
EVERHOT MFG CO
Everhot Products Co
Flexonics Corp
FORD DIV FORD MOTOR CO
Formed Tubes Inc
Goerlich's
Grand Automotive Products
Haviland Co
Houser Engrg & Mfg Co
International Parts Corp
Lion Auto Parts & Mfg Co
McCord Corp
Maremont Muffler Div
Michigan Steel Tube Products Div
MOPAR DIV CHRYSLER CORP
Northern Tube Co
Ohio Parts Inc
Powell Muffler Co
Pratt Muffler Div
Riker Mfg Inc
Smithy's Muffler Co
Tube Products Corp
Walker Mfg Co
Western Piping & Engrg Co

EXHAUST SMOKE METERS

BACHARACH INDUSTRIAL INSTRUMENT CO
BOSCH CORP ROBERT

EXPANDERS, PISTON RING *See Piston Ring Expanders*

EXPANDERS, PISTON SKIRT *See Piston Skirt Expanders*

EXPANDERS, TUBELESS TIRE BEAD *See Tire Service Equipment*

EXTINGUISHERS, FIRE *See Fire Extinguishers*

EXTRACTORS, Bolt & Screw

Arsco Mfg & Sales Corp
C & G Wheel Puller Co
Chicago-Latrobe
Cleveland Twist Drill Co
Cornwell Quality Tools Co
Duro Metal Products Co
Greenfield Tap & Die Div
Hanson Co Henry L
HERBRAND DIV
Kennedy Service Tools Co
Keystone Reamer & Tool Co
Loock & Co R J
National Machine & Tool Co
New Britain Machine Co Hand Tool Div
OEM Products Co
OWATONNA TOOL CO
P & C Tool Co
Proto Tools Co
Quality Tools Corp
Rinck-McIllwaine Inc
SNAP-ON TOOLS CORP
SPRAY PRODUCTS CORP
Titan Tool Co
Vermont Tap & Die Corp
Whitman & Barnes Div
Wilde Drop Forge & Tool Co
Williams & Co J H
Wilson Inc K R
Wright Tool & Forge Co
Zim Mfg Co

FABRICS, Coated Cloth

Athol Mfg Co
Bemis Bro Bag Co
Blossom Mfg Co
Brockton Stay Co
Burlington Mills Inc
Columbus Coated Fabrics Corp
Crawford Mfg Co Inc
Duncan Co W H
du Pont de Nemours & Co E I Fabrics Div
East Akron Tarpaulin & Awning Co
Federal Industries Div
Goodall-Sanford Inc Reading Div
Goodrich Industrial Prods Co B F
Haartz Auto Fabric Co
Haartz-Mason Inc Mechanical Products Div
Hettrick Mfg Co
Interchemical Corp Cotan Div
Jamestown Finishes Inc
Joanna-Western Mills Co
Landers Corp
Niagara Fabric Mfg Co
REEVES BROS INC
Textileather Div
United States Plywood Corp
WELLINGTON SEARS CO

FABRICS, Uniform

LEE CO H D
REEVES BROTHERS INC
WELLINGTON SEARS CO

FACINGS, CLUTCH *See Clutch Facings*

FANS

FANS (Cooling System)

EATON MFG CO
EVERHOT MFG CO
Everhot Products Co
FORD DIV FORD MOTOR CO
Hayes Industries Inc
Hilliker-Werner Inc
Jambor Tool & Stamping Co
MOPAR DIV CHRYSLER CORP
PARISH PRESSED STEEL DIV
Schwitzer Corp
Service Products Corp
Thompson Products Valve Div
Warner Electric Brake & Clutch Co (variable speed)

FANS, Defrosting

Casco Products Corp
Chemex Corp
Chicago Mfg Co
EVANS PRODUCTS CO
EVERHOT MFG CO
Everhot Products Co
HUPPOWER DIV
KYSOR HEATER CO
Lydon-Bricher Mfg Co
Roto-Beam

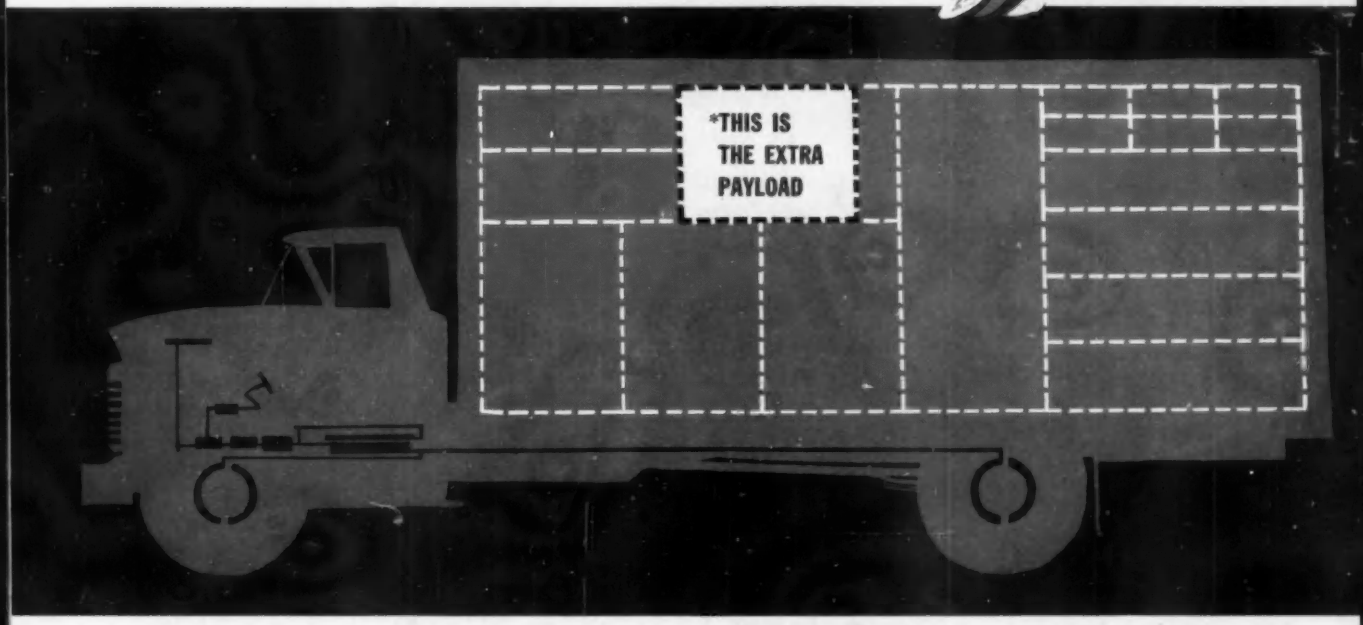
FANS, Exhaust

(See also Ventilators, Exhaust Gas)

American Standard Industrial Div
Binks Mfg Co
Black & Sons Inc Adam
Buffalo Forge Co
Champion Blower & Forge Co
Clarage Fan Co
DeVILBISS CO THE
Emerson Electric Mfg Co

BENDIX HYDROVAC® POWER BRAKES

pyramid profits with extra payload*



PAYLOAD—Hydrovac Power Brakes weigh less, permit increased payloads up to several hundred pounds.

PRICE—Hydrovac Power Brakes cost *less to buy, less to operate, less to maintain.*

PROTECTION—*Built-in standby safety . . . manual braking available in case of power failure.*

More Bendix Hydrovac vacuum power brakes are in use than all other makes.

Bendix PRODUCTS DIVISION South Bend, IND.

THE Bendix CORPORATION

● More details? Circle 153 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

FAN BELTS TO FIRE EXTINGUISHERS

FANS, Exhaust—*continued*

Englo Products Corp
Engwald Corp
HUPPOWER DIV
Ilg Electric Ventilating Co
Joy Mfg Co
KYSOR HEATER CO
M & E Mfg Co
Spray Engineering Co
Standard Electric Mfg Co
STURTEVANT DIV

FAN BELTS

Asbestos Mfg Co
Crown Products Co
Dallas Mfg & Sales Co
DAYTON INDUSTRIAL PRODUCTS CO
DAYCO CORP
Durkee-Atwood Co
FIRESTONE INDUSTRIAL PRODUCTS CO
FIRESTONE TIRE AND RUBBER CO
FORD DIV FORD MOTOR CO
GATES RUBBER CO
Globe Rubber Products Corp
Goodrich Industrial Products Co B F
GOODYEAR TIRE & RUBBER CO
GREY-ROCK DIV
Lion Auto Parts & Mfg Co
Loreman Products
MOBIL OIL CO
MOPAR DIV CHRYSLER CORP
Rawhide Products Co
Raybestos-Manhattan Inc Equip Sales Div
REEVES BROS INC
Ridbo Laboratories Inc
THERMOID DIV
UNITED STATES RUBBER CO

FAN BELT TENSION GAGES

Borroughs Tool & Equipment Corp

FASTENERS, Sheet Metal

Arsco Mfg & Sales Corp
California Industrial Products Inc
Carr Fastener Co
Champ Items Inc
Chase Brass & Copper Co
DORMAN PRODUCTS INC
Dzus Fastener Corp
GENERAL TIRE & RUBBER CO INDUSTRIAL PRODUCTS DIV
Huck Mfg Co
LAMSON & SESSIONS CO
Monadnock Mills
Monagram Mfg Div
Palnut Co
Prestole Corp
Rosan Inc
Simmons Fastener Corp
SOUTHCO DIV
Star Expansion Industries Corp
Tinnerman Products Inc
Townsend Co Engineered Fasteners Div
United-Car Fastener Corp

FEELER GAGES

Arsco Mfg & Sales Corp
Brown & Sharpe Mfg Co
Central Tool Co
Chicago Tool & Kit Mfg Co
Cornwell Quality Tools Co
D'Nomlart Inc
Duro Metal Products Co
HERBRAND DIV
Kastar Inc
Kennedy Service Tools Co
KENT-MOORE ORGANIZATION INC
Lufkin Rule Co
McQUAY-NORRIS MFG CO
Machined Parts Corp
Millers Falls Co
Nasa Tool Mfg Corp
National Machine & Tool Co
New Britain Machine Co Hand Tool Div
OWATONNA TOOL CO
P & C Hand Forged Tool Co
Perfect Parts Inc
Preferred Electric & Wire Co
Proto Tool Co
Quality Tools Corp
Rovtar Tool-Die Mfg Co
Sheffield Corp
SNAP-ON TOOLS CORP
Star Products Co
Starrett Co L S
Tacony File & Hardware Co
Union Tool Co
Wilde Drop Forge & Tool Co
Wilde Tool Co
Williams & Co J H
Zoerman-Clark Mfg Co

FELT, INSULATING *See Insulation*

FENDERS

BUDD CO THE
Consolidated Metal Products Inc
FORD DIV FORD MOTOR CO
OEM Products Co

FENDER FLAPS *See Splash Guards*
FENDER LAMPS *See Lamps*

FIFTH WHEELS (Semi Trailer)

AMERICAN STEEL FOUNDRIES
Austin Trailer Equipment Co
BARTLETT TRAILER CORP
BINKLEY MFG CO
Bound Brook Safety Equipment Co
BROWN TRAILER DIV
Carnegie Body Co
Cemco Industries Inc
DAYTON STEEL FOUNDRY CO
FONTAINE TRUCK EQUIPMENT CO
FRUEHAUF TRAILER CO
HIGHWAY TRAILER CO
Holland Hitch Co
Industrial Steel Tank & Body Works Inc
Kay-Brunner Steel Products Inc
Kingham Trailer Co
PAGE & PAGE CO
Pollard Co C E
SFR Enterprises
SNYDER TANK CORP
Spencer-Safford Loadcraft Inc
TEC Div Heil Co
TRAILMOBILE INC
Weber Trailer & Mfg Co
WESTERN UNIT MFG CO

FIFTH WHEELS, Hydraulic

AMERICAN STEEL FOUNDRIES
BARTLETT TRAILER CORP
Cemco Industries Inc
FONTAINE TRUCK EQUIPMENT CO INC
Pollard Co C E
TEC Div Heil Co

FILLERS *See Body Repair Compounds*
FILTERS, AIR *See Air Cleaner*
FILTERS, COOLANT *See Cooling System Filters*
FILTERS, DIESEL *See Fuel Filters, Diesel*
FILTERS, GASOLINE *See Fuel Filters, Gasoline*
FILTERS, LP GAS *See Fuel Filters, LP Gas*
FILTERS, OIL *See Oil Filters*
FILTERS, OIL, TRANSMISSION *See Oil Filters, Transmission*
FIRE ENGINES (TRUCKS) *See Trucks, Fire Apparatus*

FIRE EXTINGUISHERS, Portable

Allen Mfg Co
American-LaFrance Corp
Ansul Chemical Co Fire Extinguisher Div
ANTHES DIV
ARROW SAFETY DEVICE CO
Arsco Mfg & Sales Corp
Astoria Mfg Co
Beacon Devices Inc
Bolser Corp The
Bostwick Laboratories Inc Aersol Div
Busch & Co Inc A G
DIETZ CO R E
Elkhart Brass Mfg Co
FORD DIV FORD MOTOR CO
Fyr-Fyter Co
General Fire Extinguisher Corp
Heet Div
Industrial Steel Tank & Body Works Inc
K-D LAMP CO

FOR LONG LIFE . . . FOR PERFORMANCE

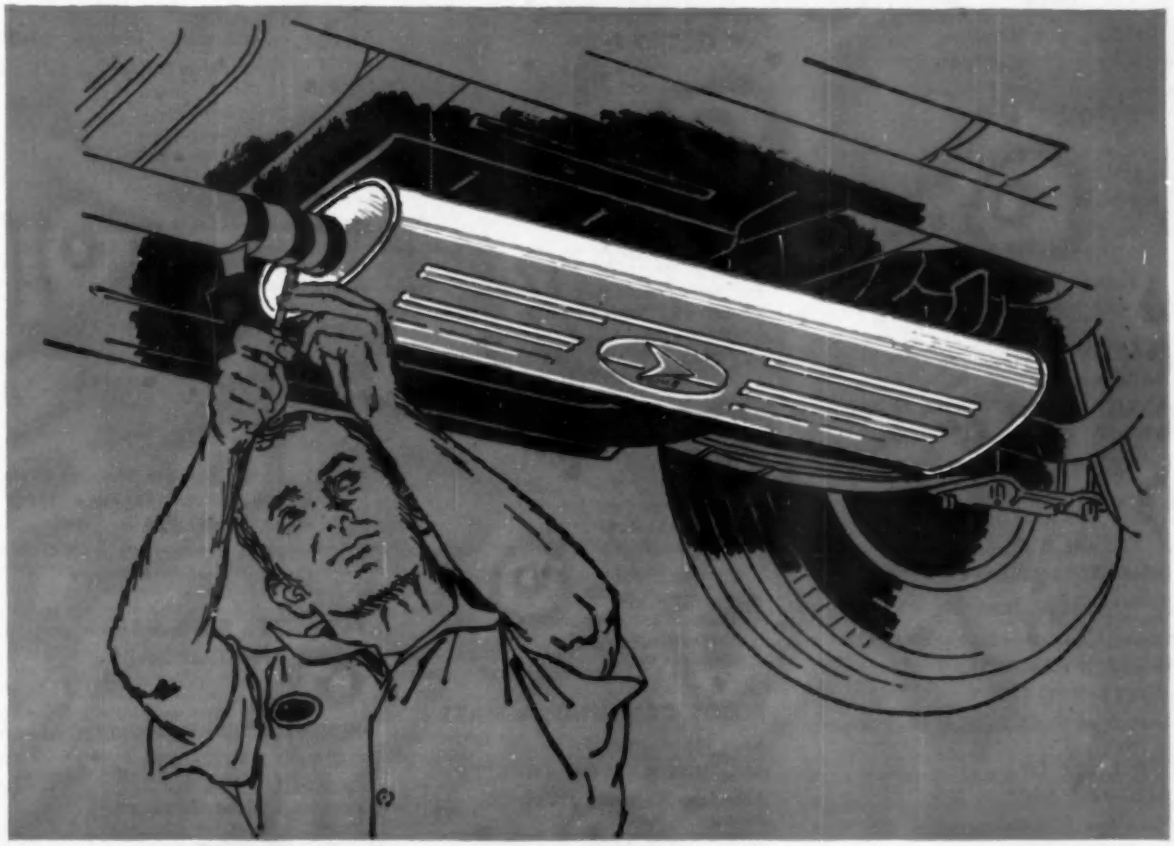
MoPAR MUFFLERS

You've got big "plus" features working for you when you use MoPar's popular Sono 4X Muffler.

Built to stand up to today's powerful gas surges, these mufflers are precision-made to meet exacting Chrysler Corporation standards. Big, sturdy tubes cut wasteful back pressure, give quiet operation.

MoPar Sono 4X Mufflers are zinc-coated inside and out . . . to reduce down time, prolong operating life. And they work in perfect balance with other related parts.

Tough winter driving can play havoc with exhaust systems. Now is the time for you to make sure you have an adequate supply of long-life MoPar Mufflers and Tail Pipes. Call your MoPar Wholesaler or your Valiant, Plymouth, Dodge, De Soto, Chrysler, Imperial or Dodge Truck Dealer.



MoPAR PARTS AND ACCESSORIES

MoPar Parts and Accessories
Chrysler Motors Corporation
Detroit 31, Michigan

THE SMARTEST BUYERS ARE SOLD ON THE BEST—MOPAR

Free Booklet—The MoPar Muffler Story: Here's a handy booklet which gives you all the vital information about MoPar Mufflers and how they can help keep your vehicles on the road and rolling. Ask your MoPar Wholesaler for your FREE copy today.

● More details? Circle 154 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on page 236

FLARES TO FORMS, FLEET RECORDS

FIRE EXTINGUISHERS—cont'd.

Kent Extinguisher Co
KIDDE & CO INC WALTER
Merlite Industries Inc
Plasti-Kote Inc
Power-Pak Products Inc
Protectoseal Co
Red Comet Inc
Safety Fire Extinguisher Co
Safety First Prods Corp
Seco Engrg & Mfg Inc
SPRAY PRODUCTS CORP
Steinwachs Safety Supply
Stop-Fire Inc
U-C Lite Mfg Co
YANKEE METAL PRODUCTS CORP

FITTINGS, TUBE *See Tube Fittings*
FLAPS, MUD GUARDS *See Splash Guards*
FLARES, FLASHERS *See Flares, Emergency*

FLARES, Emergency

Advanced Mfg Inc
ANTHES DIV
ARROW SAFETY DEVICE CO
Bolser Corp
Busch & Co A G
Carpenter Mfg Co
Delbar Products Inc
DIETZ CO R E
DO-RAY LAMP CO
Emarco Corp
Fageol Co R D
General Scientific Equipment Co
GRIFFIN LAMP CO
GROTE MFG CO
Industrial Steel Tank & Body Works Inc
K-D LAMP CO
KILGORE INC
King Bee Mfg Co
MACCHI & CO
Mine Safety Appliances Co
Pacific Mercury Mfg Corp Mech Equip Div
Portable Light Co
S & M Lamp Co
SIGNAL-STAT CORP
Speaker Corp J W
Standard Railway Fusee Corp Signal Flare Div
Steinwachs Safety Supply
Stonco Electric Products Co
Toledo Pressed Steel Co
Turnsignal Co
U-C Lite Mfg Co
UNION CARBIDE CONSUMER PRODUCTS CO DIV
Vari-Products Co
YANKEE METAL PRODUCTS CORP

FLARING TOOLS *See Tubing Flaring Tools*
FLASHERS, DIRECTIONAL SIGNAL *See Directional Signal Flashers*
FLAW DETECTORS *See Crack & Flaw Detectors*
FLEET RECORDS (FORMS) *See Forms Fleet Record*
FLEXIBLE FUEL LINES *See Fuel Lines*

FLEXIBLE SHAFTING

AC SPARK PLUG ELECTRONICS DIV
Actuator Products Corp
ALBERTSON & CO
Barbour-Stockwell Co
Blackstone Mfg Co
ELECTRIC AUTOLITE CO
Fawick Brake Div
Gilpak Automotive Products Div
Highland Machine Co
HYGRADE PRODUCTS DIV
Jarvis Corp
Paragon Products Corp
Parts Mfg Co
Perfection Automotive Products Corp
Preferred Electric & Wire Co
Stewart Mfg Corp F W
STEWART-WARNER CORP INSTRUMENT DIV
STOW MFG CO
Teleflex Inc
UNITED PARTS MFG CO
United States Taximeter Co
Valley Forge Products Inc
Wheel Parts & Mfg Co
Wyzenbeek & Staff Inc

FLEXIBLE TUBING, *See Tubing Flexible*
FLOOR CLEANERS *See Cleaning Compounds & Solvents*

FLOOR COVERINGS & MATS

Alan Wood Steel Co
ALUMINUM CO OF AMERICA
American Abrasive Metals Co
American Mat Co
Armstrong Cork Co Industrial Div
Bridgeport Brass Co
Consolidated Water Power & Paper Co
Doan Manufacturing Div
Durable Mat Co
Eastern Stainless Steel Corp
Fabric Sales Inc
Fibreboard Paper Products Corp
FORD DIV FORD MOTOR CO
FRUEHAUF TRAILER CO
Fulmer Arthur
GATES RUBBER CO
GOODYEAR TIRE & RUBBER CO
INLAND STEEL CO
Jones and Laughlin Steel Corp
Moore & Co Samuel
Nafi Corp
Newark Auto Top Co
Pit Bar Manufacturing Co
Plant Maintenance Inc
REVERE COPPER & BRASS INC
REYNOLDS METALS CO
SEIBERLING RUBBER CO
Snyder & Son Inc M L

FLOOR SWEEPERS

Clarke Floor Machine Co
Flour City Brush Co
Laitner Brush Co
Milwaukee Dustless Brush Co (also floor squeegees)
Parker Sweeper Co Industrial Div
Patch and Kase Corp

FLOORING, Truck & Trailer

Alan Wood Steel Co
ALUMINUM CO OF AMERICA
Armstrong Cork Co Industrial Div
BURRUSS LAND & LUMBER CO INC
Bustin Steel Products Inc
Eastern Stainless Steel Corp
Fibreboard Paper Prod Corp
Hobbs Trailers
INLAND STEEL CO
Jones & Laughlin Steel Corp
Lewis-Shepard Products Inc
Oregon Laminated Lumber Co
Plant Maintenance Inc Truck Floor Div
REVERE COPPER & BRASS INC
REYNOLDS METALS CO
Steinwachs Safety Supply
Stran Steel Div
Timpte Bros Inc
United States Plywood Corp

FLUID, STARTING *See Starting Fluid*
FLUID, HYDRAULIC BRAKE & SHOCK ABSORBER *See Brake Fluid*
FLUSHERS, RADIATOR & BLOCK *See Cooling System Flushers*

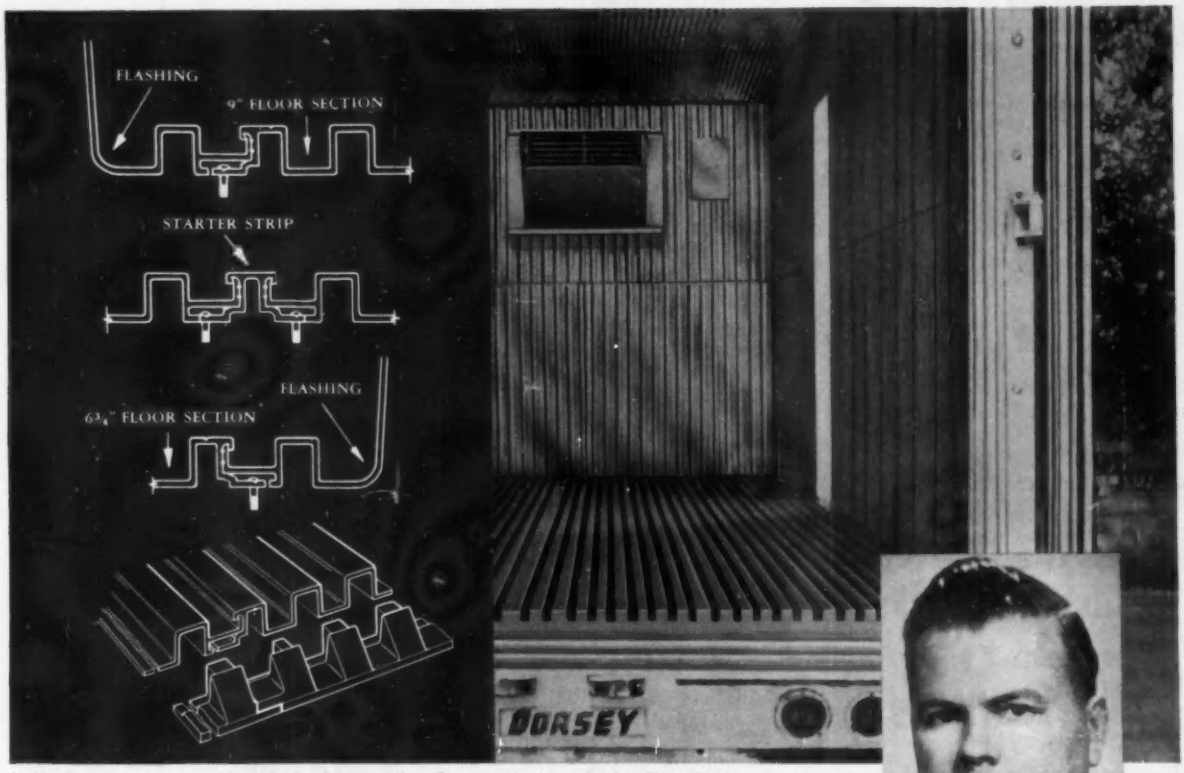
FLYWHEEL RING GEARS

Detroit Bevel Gear Div
EATON MFG CO AUTOMOTIVE GEAR DIV
FORD DIV FORD MOTOR CO
KELSEY-HAYES CO
Lempco Products Inc
Perfection Gear Co
Republic Gear Co
Springfield Mfg Co
WOHLERT CORP

FOG LAMPS *See Lamps*
FORK LIFT TRUCKS *See Lift Trucks*

FORMS, Fleet Records

Cities Service Oil Co
ESSO STANDARD DIV
FLEET FORMS INC
Ideal System Co
PENNZOIL-SOUTH PENN OIL CO



(*Left*) Showing easy, rapid method of assembling Revere Aluminum Reefer Floor Sections. (*Right*) View of Revere enduring Reefer Floor showing neat, one-piece effect of tight interlock assembly free from bolt heads and cracks. Trailer made by DORSEY TRAILERS, INC., Elba, Alabama.

REVERE ALUMINUM REEFER FLOOR SECTIONS*

"Best we've ever used"

Says W. T. Ellison, President MARELL FARMS INC., Gainesville, Ga.

Continued Mr. Ellison, "Revere Reefer Floors do what a refrigerated truck floor is supposed to do—carry the load, permit air circulation where it's needed, and are watertight, sanitary and neat. The Revere floors in our vans have taken plenty of hard service, and are ready for more. They are the best we've ever used."

Users also find Revere Reefer Floors allow added payload and space, require little maintenance. Body builders find these reefer floors easy to install and Revere's interlocking design results in a truly watertight floor. Different size floor sections available make for speedy, tight-fitting installation for any width body. And, of course, the non-rusting aluminum won't rot, splinter or become water-logged.

SEND FOR SAMPLES AND LITERATURE TODAY!

For a free sample of Revere Aluminum Floor sections, write on company letterhead to address below. Specify Standard, Hi-Air-Flo or Dry Freight type. Revere Reefer and Dry Freight Floors are available for prompt delivery from stock. For more information on these and additional body shapes—flooring, structural and others—get in touch with the nearest Revere Sales Office.

OUTSTANDING FEATURES OF REVERE REEFER FLOORS

1. *Watertight Construction.* When properly installed, Revere's special interlocking design provides a mechanically tight joint in two directions.

2. *Flexibility In Floor Widths.* The floor boards in 6¾" and 9" widths, and the starter strips in a choice of three widths, may be combined to produce a floor for almost any width of truck or trailer body.

3. *Concealed Bolts And Bolt Holes.* Floor boards may be bolted direct to the sub-frame without going through the floor from inside the body.

4. *Interlocking Starter Strips Make Assembly Easy.* Installed at or near the center line, Revere's unique starter strip permits laying the floor boards outward toward each side.

5. *Multi End-Plug Castings*—Seal one or both ends of floor boards, starter strips and flashing. Save hours of installation time.

*U.S. Pat. No. 2,786,556

REVERE COPPER AND BRASS INCORPORATED

Founded by Paul Revere in 1801

230 Park Avenue, New York 17, N. Y.

Sales Offices in Principal Cities

● More details? Circle 155 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

FRAMES TO FUEL FILTERS

FORMS, Fleet Records—cont'd

Spar-Mac Services
STANDARD MOTOR PRODUCTS INC
Tex-N-Set Manifold Co
Uarco Inc
WHITE MOTOR CO

FOUNTAIN BRUSHES *See Washers, Fountain Brushes*

FRAME STRAIGHTENERS *See Alignment Equipment*

FRAMES, Pressed Steel

BUDD CO
Consolidated Metal Products Inc
DANA CORP
Hoosier Tarpaulin & Canvas Goods Co Inc
Industrial Steel Tank & Body Works Inc
Midland Steel Products Co Owosso Div
PARISH PRESSED STEEL DIV
Smith Corp A O
Stoutco Inc

FREEZE METERS *See Hydrometers*

FRONT AXLES *See Axles, Front*

FRONT END ALIGNMENT EQUIPMENT *See Alignment Equipment*

FRONT END LOADERS (Construction & Off-Highway)

Allis-Chalmers Mfg Co
Case Co J I
Caterpillar Tractor Co
Clark Equipment Co Construction Machinery Div
Euclid Div
Hough Co The Frank G
INTERNATIONAL HARVESTER CO
Jaeger Machine Co
Mixermobile Manufacturers Inc
The Oliver Corp
Pettibone Mulliken Corp
Tractomotive
The Yale & Towne Mfg Co

FRONT END SUSPENSION PARTS

Accurate Products Inc
Aircraft & Automotive Prods Inc
Allied Automotive Parts Co
ALUMINUM INDUSTRIES INC
Andrew Parts Mfg Co
Austin Trailer Equipment Co
Bohn Aluminum & Brass Corp
Brown Corp
CHRYSLER CORP
CLARK EQUIPMENT CO
Cleveland Cap Screw Co
CLEVITE HARRIS PRODUCTS INC
DAYTON STEEL FOUNDRY CO THE
Elgin Machine Works
FORD DIV FORD MOTOR CO
Fruehauf Trailer Co Truck Body Div
Gilpak Automotive Products Div
HENDRICKSON MFG CO
Hunter Engineering Co
Imerman Screw Products Co
Industrial Steel Tank & Body Works Inc
Inland Mfg Div
Jambor Tool & Stamping Co
Kings County Centerless Grinding Co
Lion Auto Parts & Mfg Co
Master Parts Div
McQUAY-NORRIS MFG CO
Miller Industrial Products Inc
Moog Industries Inc
MOPAR DIV CHRYSLER CORP
Neapco Products Inc
Oliver Iron & Steel Corp
Parts Mfg Co
Republic Engrg & Mfg Co
SAGINAW STEERING GEAR DIV
Stephens-Adamson Mfg Co
Superior Machine Tool Co
Thompson Products Replacement Div
Toledo Steel Products Div
Transit Parts Co
Trayer Products Inc
Wheel Parts & Mfg Co
WOHLERT CORP

FUELS

FUELS, Gasoline & Diesel

American Liquid Gas Corp
AMERICAN OIL CO
Ashland Oil & Refining Co
Associated Div
Atlantic Refining Co
California Co (Denver Colo)
California Oil Co
Cities Service Oil Co
Continental Oil Co
D-X Sunray Oil Co
Emerol Mfg Co
ESSO STANDARD DIV
Ethyl Corp
GULF OIL CORP
KENDALL REFINING CO
Mid Continent Petroleum Corp
MOBIL OIL CO
Pennsylvania Refining Co
PENNZOIL-SOUTH PENN OIL CO
PHILLIPS PETROLEUM CO
PURE OIL CO
Richfield Oil Corp
SHELL OIL CO
SINCLAIR REFINING CO
STANDARD OIL CO OF CALIFORNIA
STANDARD OIL CO (INDIANA)
STANDARD OIL CO OF TEXAS
Sun Oil Co
TEXACO INC
Tide Water Associated Oil Co
Union Oil Co of California
Valvoline Oil Co

FUELS, LP Gas

AMERICAN OIL CO
ESSO STANDARD DIV
GULF OIL CORP
MOBIL OIL CO
PHILLIPS PETROLEUM CO
PURE OIL CO
Sun Oil Co
TEXACO INC
Union Oil Co of California

FUEL ADDITIVES *See Additives, Fuel & Oil*

FUEL FILTERS, Diesel

AC SPARK PLUG ELECTRONICS DIV
Air-Maze Corp
American Bosch Div
American Motor Products Co
Baldwin Mfg Co J A
BOSCH CORP ROBERT
Briggs Filtration Co Automotive Div
Commercial Filters Corp
Cuno Engrg Corp
De Luxe Products Corp
FRAM CORP
HARTFORD MACHINE SCREW CO
Hilliard Corp
Indiana Commercial Filters Corp
LUBER-FINER INC
Purolator Products Inc
REFILL FILTER CO
Truck Accessories Co
W G B Oil Clarifier Inc
Walker Mfg Co
Wells Mfg Corp
Winslow Engrg and Mfg Co
WIX CORP
ZENITH CARBURETOR DIV

FUEL FILTERS, Gasoline

AC SPARK PLUG ELECTRONICS DIV
Accurate Products Inc
Air-Maze Corp
Alloy Mfg Co
American Liquid Gas Corp
American Motor Products Co
Ashland Oil & Refining Co
Baldwin Mfg Co J A
Bendix Filter Div
Briggs Filtration Co Automotive Div
Carter Carburetor Div
Champ-Items Inc
Chilton Metal Products Inc
Cuno Engrg Corp
Delco Moraine Div
De Luxe Products Corp
Electric Autopulse Div
Engine Accessories Mfg Co
Ensign Carburetor Co
FRAM CORP
Hartford Machine Screw Co
Hilliard Corp Purifier Div
HYGRADE PRODUCTS DIV
IMPERIAL BRASS MFG CO

if your tire cost is more than a "MILL-PER-MILE" . . . get the facts about 1-PLY STEEL CORD TIRES

Q: Why do single-ply tires give greater mileage?

A: The fewer the plies, the cooler, more resilient the tire. Truck tires made with fabric cord require multiple plies for strength; lose flexibility. Tires made with Bekaert Steel Cord need only 1 ply . . . yet are up to 10 times stronger than fabric tires. That's why steel cord tires actually cost as little as a mill per mile or less to operate!

Q: How much more mileage will 1-ply steel cord tires deliver?

A: Bekaert Steel Cord, because of its great tensile strength, permits the use of a unique single ply truck tire construction which gives up to 2½ times the original tread wear of conventional multi-ply textile tires.

Q: What is the effect of road temperature on steel cord tires?

A: Even at highest speeds, road temperatures have little or no effect on steel cord tires. Steel cord tires dissipate heat faster than textile cord tires. Don't overheat, stretch or "grow". Run 125° cooler than textile-reinforced tires.

Q: How does the cost of steel cord tires compare with fabric cord tires?

A: Tires with Bekaert Steel Wire Cord cost considerably less over the long haul. Truckers who have logged millions of hard, heavy-duty miles report that 1-ply steel cord tires actually cost as little as one mill per mile before retreading. And these rugged tires can be recapped many times, further reducing the cost per mile!

Q: How about punctures and blowouts?

A: One-ply tires made with Bekaert Steel Cord are strong as steel, yet remarkably flexible. They can successfully and repeatedly withstand punctures and impacts that knock out conventional tires.

Q: What about comfort?

A: Because they are so resilient, 1-ply tires made with Bekaert Steel Cord produce a smooth ride. Result is not only driver comfort, but protection both to contents and truck equipment. Better road grip makes for safe, easy truck handling. The small temperature rise of 1-ply steel cord tires also contributes to increased safety and driver comfort.

Q: Who makes 1-ply steel cord tires?

A: Truck tires made with Bekaert Steel Wire Cord are available from leading tire manufacturers. Be sure you specify Steel Cord Tires, the next time you buy.

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PLEASE SEND ME A COPY OF YOUR BOOKLET

Bekaert *Steel Wire Corporation*

655 MADISON AVE., NEW YORK 21, NEW YORK, DEPT. C

NAME_____ COMPANY_____

ADDRESS_____

CITY_____ ZONE_____ STATE_____

BEKAERT STEEL CORD, ZWEVEGEM, BELGIUM Among Europe's Foremost Steel Wire Producers Since 1880

● More details? Circle 156 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on page 236

FUEL FILTERS TO GENERATORS

FUEL FILTERS, Gasoline—cont'd

J & S Carburetor Co
Kem Mfg Co
Klemm Automotive Products Co
Lee Filter Corp
LUBER-FINER INC
MOPAR DIV CHRYSLER CORP
Paser Mfg Co
Purolator Products Inc
REFILL FILTER CO
STANDARD MOTOR PRODUCTS INC
Sparkler Mfg Co
Tillotson Mfg Co
UNITED MOTORS SERVICE
Walker Mfg Co
Wells Mfg Corp
WIX CORP
ZENITH CARBURETOR DIV

FUEL FILTERS, LP Gas

AC SPARK PLUG DIV
Air-Maze Corp
American Liquid Gas Corp
Baldwin Mfg Co J A
Bean Products Mfg Co
Briggs Filtration Co Automotive Div
CENTURY GAS EQUIPMENT
Ensign Carburetor Div
LUBER-FINER INC
Purolator Products Inc
Wells Mfg Corp
Wilkerson Corp
ZENITH CARBURETOR DIV

FUEL GAGES (Instrument Panel)

AC SPARK PLUG ELECTRONICS DIV
ELECTRIC AUTOLITE CO
KING-SEELEY CORP
Rochester Gauges Inc of Texas
Rochester Mfg Co Inc
STEWART-WARNER CORP INSTRUMENT DIV

FUEL GAGE TESTERS

Hanson Co Harvey E
Kem Mfg Co Inc
SUN ELECTRIC CORP
FUEL INJECTORS *See Injectors, Fuel*

FUEL LINES, Flexible

(See also Tubing)

AC SPARK PLUG ELECTRONICS DIV OF GENERAL MOTORS
Acme Rubber Mfg Co
AEROQUIP CORP
American Coupling Corp
Anaconda Metal Hose Div
Anchor Coupling Co
Andrews Parts Mfg Co
Asbestos Mfg Co
Atlantic Metal Hose Co
Avon Tube Div
Boston Woven Hose & Rubber Co
Bundy Tubing Co
Champ-Items Inc
Chase Brass & Copper Co
Danielson Mfg Co
DORMAN PRODUCTS INC
Edelmann & Co
Electric Hose & Rubber Co
EVERHOT MFG CO
Everhot Products Co
Excello Accessories Mfrs Inc
Fawick Brake Div
Flexonics Corp
GATES RUBBER CO
HARTFORD MACHINE SCREW CO (for injectors)
Hewitt-Robins Inc
IMPERIAL BRASS MFG CO
Industrial Steel Tank & Body Works Inc
Loock & Co R J
Manhattan Rubber Div
Metal Hose & Tubing Co
Motive Equipment Mfrs Inc
Mulconroy Co
National Copper & Smelting Co
Penn Brass & Copper Co
Pennsylvania Flexible Metallic Tubing Co
Perfect Parts Inc
Preferred Electric & Wire Co
Republic Gear Co
REPUBLIC RUBBER DIV
Resistoflex Corp
Snyder & Son Inc M L
Stratoflex Inc
THERMOID DIV
Titeflex Inc
United States Gasket Co
U S RUBBER DIV
United Wire & Supply Co
Waag Enterprises
WEATHERHEAD CO FORT WAYNE DIV
Wheel Parts & Mfg Co

FUEL METERS, Vehicle

Michigan Fleet Equipment Co
Sentinal Products Corp
SERVICE RECORDER CO
FUEL MILEAGE TESTERS *See Testers, Fuel Mileage*
FUEL PRESSURE REGULATORS *See Regulators, Fuel Pressure*

FUEL PUMPS, Diesel

A C SPARK PLUG DIV
Allis-Chalmers Mfg Co Engine Material Handling Div
Allyn Mfg Co
American Bosch Div
Bennett Pump Div
BOSCH CORP ROBERT
Caterpillar Tractor Co
CUMMINS ENGINE CO
HARTFORD MACHINE SCREW CO (ROOSA MASTER)
HYGRADE PRODUCTS DIV
INTERNATIONAL HARVESTER CO
Jaeger Machine Co
Kem Mfg Co Inc
Scintilla Div
Tokheim Corp

FUEL PUMPS, Gasoline

AC SPARK PLUG ELECTRONICS DIV
Airtex Automotive Div
Alloy Mfg Co
American Bosch Div
American Motor Products Co
BENNETT PUMP DIV
Blackstone Mfg Co
Carter Carburetor Div
Eastern Industries Inc
Eclipse Machine Div
ELECTRIC AUTOLITE CO
Electric Autopulse Div
Fawick Brake Div
FORD DIV FORD MOTOR CO
Freedco Products Inc
Hartford Machine Screw Co
HYGRADE PRODUCTS DIV
Industrial Steel Tank & Body Works Inc
Kem Mfg Co
Master Parts Div
P & D MFG CO
STEWART-WARNER CORP INSTRUMENT DIV
Thompson Products Michigan Div
TOKHEIM CORP
Waag Enterprises
WALBRO CORP (AUTOPULSE)
Wells Mfg Corp

FUEL PUMPS (Service Station)

A C SPARK PLUG DIV
BENNETT PUMP DIV
Bowser Inc
Buckeye Iron & Brass Works
Dayton Pump & Mfg Co
Erie Meter Systems Inc
Gilbert & Barker Mfg Co
Smith Corp A O
Southwest Pump Co
TOKHEIM CORP
Wayne Pump Co

FUEL PUMP PARTS (Gasoline)

A C SPARK PLUG DIV
Airtex Automotive Div
Alloy Mfg Co
American Motor Products Co
Fawick Brake Div
FORD DIV FORD MOTOR CO
Highland Machine Co
HYGRADE PRODUCTS DIV
Kem Mfg Co
Master Parts Div
Mica Insulator Co
MOPAR DIV CHRYSLER CORP
Neff Perkins Co
Preferred Electric & Wire Co
REEVES BROS INC

Simmons Mfg Co
STEWART - WARNER CORP INSTRUMENT DIV
TOKHEIM CORP
United Parts Div
Wells Mfg Corp
WOHLERT CORP

FUEL PUMP TESTERS

AC SPARK PLUG ELECTRONICS DIV
Airtex Automotive Div
Allen Electric & Equipment Co
Arsco Mfg & Sales Corp
BACHARACH INDUSTRIAL INSTRUMENT CO
Cornwell Quality Tools Co
Hanson Co Harvey E
HYGRADE PRODUCTS DIV
Kal-Equip Co
Kem Mfg Co
Kennedy Service Tools Co
King Electric Equipment Co
Schauer Mfg Co
STEWART - WARNER CORP INSTRUMENT DIV
SUN ELECTRIC CORP
Weidenhoff Corp

FUEL TANKS *See Tanks, Fuel*

FUSEES, Emergency

ANTHES DIV
Bolser Corp
K-D LAMP CO
KILGORE INC
S & M Lamp Co
Standard Railway Fusee Corp
YANKEE METAL PRODUCTS CORP

FUSES, Electric

Littlefuse Inc
Royal Electric Corp
SIGNAL-STAT CORP
Standard Motor Products Inc
Trico Fuse Mfg Co

GAGES, AXLE ALIGNING *See Alignment Equipment*

GAGES, BRAKE DRUM *See Brake Drum Gages*

GAGES, BRAKE SHOE *See Brake Lining Gages*

GAGES, CYLINDER COMPRESSION *See Compression Gages*

GAGES, DASH BOARD *See item desired*

GAGES, DIAL *See Dial Indicator Gages*

GAGES, FEELER *See Feeler Gages*

GAGES GASOLINE *See Fuel Gages (Instrument Panel)*

GAGES LIQUID LEVEL, STORAGE TANK *See Tank Gages, Liquid Level*

GAGES, OIL LEVEL *See Oil Level Gage*

GAGES, OIL PRESSURE *See Oil Pressure Gage*

GAGES, THICKNESS OR FEELER *See Feeler Gages*

GAGES, TIRE PRESSURE *See Tire Pressure Gages*

GAGES, VACUUM *See Vacuum Gages*

GAGES, WATER TEMPERATURE *See Water Temperature Gage*

GAGES, WHEEL ALIGNING *See Alignment Equipment*

GARAGE DOORS, OVERHEAD *See Doors, Overhead Garage*

GAS, ACETYLENE *See Acetylene Gas*

GAS, OXYGEN *See Oxygen Gas*

GASKETS

Acme Mfg & Gasket Co
Advance Felt & Gasket Co
American Felt Co
Anchor Packing Co
ARMSTRONG CORK CO
Buckeye Rubber Products Inc
Chambers Gasket & Mfg Co
CHAMPION SPARK PLUG CO
Chicago Rawhide Mfg Co
Circle Z
Cleveland Gasket & Mfg Co
Continental-Diamond Fibre Corp
Continental Felt Co
Coyne & Paddock Inc
Cranz Co J M
Crotty Corp Automotive Products Div
Detroit Gasket & Mfg Co
Eaton Mfg Co Stamping Div
Excelsior Leather Washer Mfg Co
Felt Products Mfg Co
FITZGERALD MFG CO
FORD DIV FORD MOTOR CO
Gasket Engrg Co
Gasket Packing & Specialty Co
Greene Tweed & Co
JOHNS-MANVILLE
Keystone Gasket Mfg Co
Latex Fiber Industries Inc
McCord Corp
Melrath Supply & Gasket Co
MOPAR DIV CHRYSLER CORP
OEM Products Co Inc
Penn Fibre & Specialty Co
Polymer Corp
Pressite-Keystone Engrg Products Co
Standard Products Co
United Packing & Gasket Engrg Corp
Vellumoid Co
VICTOR MFG & GASKET CO
Wisconsin Gasket & Mfg Co

GASKET COMPOUNDS

ARMSTRONG CORK CO
Dewey & Almy Chemical Co
Durkee-Atwood Co
Duroyd Gasket & Die Mfg Co
Flexrock Co Packing Div
FORD DIV FORD MOTOR CO
Goodrich Chemical Co B F
Greene Tweed & Co
Hollingshead Corp R M
International Metal Polish Co Inc
MOPAR DIV CHRYSLER CORP
Park Chemical Co
Pep Mfg Co
PERMATEX CO

GASOLINE *See Fuels*

GASOLINE ENGINES *See Engines, Gasoline*

GASOLINE FILTERS *See Fuel Filters*

GASOLINE GAGES *See Fuel Gages (Instrument Panel) or Tank Gages (Liquid Level)*

GASOLINE MILEAGE TESTERS *See Tester, Fuel Mileage*

GASOLINE STORAGE TANKS *See Tanks, Fuel Storage*

GASOLINE TANKS, VEHICLE MOUNTED *See Tanks, Fuel Supply*

GASOLINE TANK CAPS, LOCKING *See Caps, Fuel Tank Locking*

GASOLINE TANK SIGNALS *See Signals, Fuel Tank*

GASOLINE TANK VALVES *See Valves, Fuel Tank*

GATES, Truck Folding

Ace Iron Works
Atlas Fence Co
Barkow Co H
Bustin Steel Products Inc
Hobbs Trailers
Logan Co
Roll-O-Matic Chain Co
Sav-T-Engineering Co
Standard Carriage Wks Inc
WATSON CO H S
Zehr Products Co

GEAR PULLERS *See Pullers*

GEARS, FLYWHEEL RING *See Flywheel Ring Gear*

GEARS, LANDING (TRAILER) *See Landing Gears*

GEARS, REAR AXLE *See Axle Ring Gears & Pinions*

GEARS, STEERING *See Steering Gears*

GEARS, TIMING *See Timing Gears*

GEARS, TRANSMISSION *See Transmission Gears*

GENERATORS

GENERATORS, Vehicle

American Bosch Div
American Generator & Armature Co
Arrow Armatures Co
BOSCH CORP ROBERT
Combinator Sales Div
CONSOLIDATED GENERAL PRODUCTS INC
DELCO-REMY DIV
Dole Refrigerating Co
ELECTRIC AUTOLITE CO
FORD DIV FORD MOTOR CO
General Armature & Mfg Co
GMC TRUCK AND COACH DIV

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

GENERATOR OVERDRIVE TO HAMMERS

GENERATORS, Vehicle—cont'd

Kurland Combinator
Lane & Beane
LEECE-NEVILLE CO
Midwest Generator Co
MOTORCRAFT

GENERATOR OVERDRIVE
(Advertiser Only)

CONSOLIDATED GENERAL PRODUCTS INC

GENERATOR PARTS

American Motor Products Co
BOSCH CORP ROBERT
Carbone Co
DELCO-REMY DIV
ECHLIN MFG CO IGNITION & ELECTRICAL DIV
ELECTRIC AUTOLITE CO
F & B MFG CO
FORD DIV FORD MOTOR CO
General Electric Co Apparatus Sales Div
Guaranteed Parts Co
HOLLEY CARBURETOR CO
International Products & Mfg Co
Kem Mfg Co
Midwest Generator Co
MOPAR DIV CHRYSLER CORP
Morganite Inc
MOTORCRAFT
National Ignition Mfg Co
Niehoff & Co C E
P & D MFG CO
Paragon Products Corp
Preferred Electric & Wire Co
Pure Carbon Co
Shurhit Products Inc
STANDARD MOTOR PRODUCTS INC
Tasco Products Div
V-J Industries Inc
Valley Forge Products Inc
Wells Mfg Corp
Wheel Parts & Mfg Co
WOHLERT CORP

GENERATOR SETS, Portable (including stand-by sets)

Allis-Chalmers Mfg Co Engine Material Handling Div
Caterpillar Tractor Co
CUMMINS ENGINE CO
DETROIT DIESEL ENGINE DIV
Duplex Truck Co
KOHLER CO
Onan & Sons Inc D W
Pesco Products Div
Thor Power Tool Co
WAUKESHA MOTOR CO

GIFTS
(Advertiser Only)

GALLERY OF GIFTS

GLADHANDS *See Brakes, Air Systems & Parts*

GLASS, Automotive

Auto Glass Mfg Co
FORD DIV FORD MOTOR CO
Glass Products Inc
Globe Auto Glass Co
LIBBEY-OWENS-FORD GLASS CO
PITTSBURGH PLATE GLASS CO
Protecto Safety Glass Co
Safetee Glass Co
Shatterproof Glass Co

GOVERNORS, Engine

Barbour Stockwell Instruments
ELECTRIC AUTOLITE CO
ENGLER INSTRUMENT CO
FORD DIV FORD MOTOR CO
HOLLEY CARBURETOR CO
Hoof Products Co
KING-SEELEY DIV
Mallory Electric Corp
Marquette Div
Minnesota Automotive Inc
Monarch Governor Co
PERFECT CIRCLE CORP
Pierce Governor Co
Safety Speed Control Co
STEWART-WARNER CORP INSTRUMENT DIV
Velvac Inc
Woodward Governor Co
ZENITH CARBURETOR DIV

GRADERS (Construction & Highway)
(See also Scrapers)

Allis-Chalmers Mfg Co
Austin Western Works Construction Equipment Div
Caterpillar Tractor Co
Huber-Warco Co
LeTourneau-Westinghouse Co
Pettibone Mulliken Corp
Preco Inc

GRAPHITE, Lubricating

Acheson Colloids Co
Boyle-Midway Inc
Busch & Co Inc A G
Dixon Crucible Co
Hill & Griffith Co
Kano Laboratories
Miracle Power Products Corp
Panef Mfg Co
PERMATEX CO INC
Servwell Products Co
Stanley Co Inc John T Mobo Div
Superior Graphite Co
United States Graphite Co
White & Bagley Co

GREASE *See Oils & Lubricants*

GREASE GUNS *See Lubricators*

GREASE REMOVERS *See Cleaning Compounds & Solvents*

GREASE RETAINERS *See Oil Seals*

GRILLE COVERS, RADIATOR *See Radiator Covers*

GRILLES, RADIATOR *See Radiator Grilles*

GRINDERS, BENCH *See Bench Grinders*

GRINDERS, BRAKE DRUM *See Brake Drum Lathes*

GRINDERS, BRAKE LINING AND SHOE *See Brake Lining Grinders*

GRINDERS, CRANKSHAFT *See Crankshaft Grinder*

GRINDERS, CYLINDER *See Boring Bars*

GRINDERS & PLANERS, Engine Head & Block

Carborundum Company The
Lempco Products Inc
VAN NORMAN MACHINE CO

GRINDERS, PORTABLE ELECTRIC *See Sanders, Portable Electric*

GRINDERS, PORTABLE PNEUMATIC *See Sanders, Portable Pneumatic*

GRINDERS, VALVESEAT *See Valve Seat Grinder*

GRINDING COMPOUNDS, VALVE *See Valve Grinding Compounds*

GRIT, Vehicle Traction
(Advertiser Only)

REED CORP H B

GUARDS, BUMPER *See Bumper Guards*

GUARDS, RADIATOR, GRILLE *See Radiator Grille Guards*

GUARDS, SPLASH *See Splash Guards*

GUARDS, TIRE INFLATING *See Tire Inflating Guards*

GUIDES, VALVE *See Valve Guides*

HAMMERS, Portable Electric

BLACK & DECKER MFG CO
Chicago Tool & Kit Mfg Co
INGERSOLL-RAND CO
Millers Falls Co
Milwaukee Electric Tool Co
Skil Corp
Stanley Electric Tool Div
Syntron Co
Thor Power Tool Co

● More details? Circle 157 on reply card inside back cover——→

Now! crowned and burnished

Tungsten Contacts

Now, for the first time,* both *advantages!

***Crowned* and Burnished Tungsten *on bracket; Flat* and Burnished Tungsten on arm give you these advantages—**

- **Break-in without excessive oxidation**
- **Self-alignment of Tungsten faces**

These Echlin Extras assure top performance and longer Contact life!

ECHLIN *Ignition*

THE ECHLIN MANUFACTURING COMPANY · BRANFORD, CONN.
UNITED PARTS DIVISION · CHICAGO, ILL.
ECHLIN-UNITED OF CANADA LTD., TORONTO

WORLD'S LARGEST INDEPENDENT IGNITION PARTS MANUFACTURER... *and still growing!*

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

HAMMERS, PORTABLE TO HEATERS, TRUCK CAB

HAMMERS, Portable Pneumatic

CHICAGO PNEUMATIC TOOL CO
Gardner-Denver Co
INGERSOLL-RAND CO
K & W Products Inc
Master Pneumatic Tool Co
Pneumatic Drop Hammer Co
Quality Tools Corp
Skil Corp
Superior Pneumatic and Mfg Inc
Thor Power Tool Co
United Engrg & Fdry Co
WATERVLIET TOOL CO
Williams White & Co

HAND CLEANERS *See Cleaning Compounds and Solvents*

HAND TOOLS *See Tools, Hand*

HAND TRUCKS

Aluminum Ladder Co
American Pulley Co
ANTHES DIV
Automatic Transportation Div
Barrett-Cravens Co
Big Joe Mfg Co
BISHMAN MFG CO
Brooks & Perkins Inc
Can Tool Co
CLARK EQUIPMENT CO
Clinton Products Co
Cragin & Wilkins Co
Durlach Can & Iron Works
Dutro Co
Elkay Products Co
Excelsior Plimtruck Co
Factory Service Co
Fairbanks Co
Howell Industrial Device Co
Langsenkamp Co F H Materials Handling Div
Lewis-Shepard Products Inc
Lift Trucks Inc
Magline Inc
Magnesium Co
Monroe Mfg Co
Nutting Truck & Caster Co
Pettibone Mulliken Corp
Rapids-Standard Co
Raymond Corp
Rush Mfg Co E S
Standard Pressed Steel Co
Steinwachs Safety Supply
Thomas Truck & Caster Co
Towmotor Corp
Yale & Towne Mfg Co

HARDWARE, BUS *See Bus Hardware*

HARDWARE, TRUCK BODY *See Body Hardware*

HEADLIGHT DIMMERS *See Switches, Headlight Dimmers*

HEADLIGHT TESTERS *See Testers, Headlight*

HEAT EXCHANGERS

Adams Co R P
Bell & Gosset Co
Bethlehem Steel Co
Brunner Div
Dole Refrigerating Co
General Radiator Co
Hanson-Van Winkle-Munning Co
HARRISON RADIATOR DIV
Kold-Hold Div
Long Mfg Div
Modine Mfg Co
Perfex Corp
Truck & Coach Heater Mfg Co
Union Diesel Engine Co
Yates-American Machine Co
Young Radiator Co

HEAT GAGE *See Water Temperature Gage*

HEATERS

HEATERS, Bus

Arvin Industries Inc
Eaton Mfg Co Heater Div
EVANS PRODUCTS CO HEATING AND VENTILATING DIV
FORD DIV FORD MOTOR CO
HUNTER MFG CO
HUPPOWER DIV
KYSOR HEATER CO
PERFECTION DIV
Preco Inc
Surface Combustion Corp Div
Truck & Coach Heater Mfg Co
Vapor Heating Corp

HEATERS, Cargo

American Gas Machine Co Div
Auto Body Works
Cargo Guard Inc
Eaton Mfg Co Heater Div
Elston Co
EVANS PRODUCTS CO
FRUEHAUF TRAILER CO
G & O Mfg Co
HUNTER MFG CO
HUPPOWER DIV
Industrial Engineering Corp
Knowles-Fisher Corp
Laharco Industries Inc
Luminator Inc
NAPCO INDUSTRIES INC
PERFECTION DIV
Preco Inc
SOUTH WIND DIV
THERMO KING CORP
Truck & Coach Heater Mfg Co
Vapor Heating Corp
Young Radiator Co

HEATERS, Engine Pre-Heating

Autac Inc
Clayton Mfg Co
Five Star Mfg Co
KIM HOTSTART MFG CO
Laharco Industries Inc
PERFECTION DIV
PHILLIPS MFG CO
Schauer Mfg Corp
SOUTH WIND DIV
STOW MFG CO
Tech Products Inc
THERMO-TEMP INDUSTRIES INC
Universal Engine Heater Co
Vapor Heating Corp
Young Radiator Co

HEATERS, Paint, Hot Spray

Beck Equipment & Chemical Co
Binks Mfg Co
DE VILBISS CO
Nordson Corp
Pol-Flo Paint Sprayer Corp
Spee-Flo Mfg Corp
Thermalcup Inc

HEATERS, Parking Lot

PERFECTION DIV
Vapor Heating Corp

HEATERS, Truck Cab

Arvin Industries Inc
Barkow Co H
Benmar Co
Bishop & Babcock Mfg Co
Chicago Mfg Co
Eaton Mfg Co Heater Div
EVANS PRODUCTS CO HEATING & VENTILATING DIV
Everhot Products Co
FORD DIV FORD MOTOR CO
HARRISON RADIATOR DIV
HUNTER MFG CO
HUPPOWER DIV
KYSOR HEATER CO
PERFECTION DIV
Schofield Inc E L
SOUTH WIND DIV
Surface Combustion Corp Div
Truck & Coach Heater Mfg Co

HEATER HOSE *See Hose, Heater*

HEATER SWITCHES *See Switches, Heater*

HEATING LAMPS *See Lamps, Drying*

HELPER SPRINGS *See Springs, Helper*

HILL HOLDERS *See Brake Locks, Hill Holder*

HITCHES, TRAILER *See Trailer Hitches*

HOISTS, MONORAIL *See Cranes, Monorail*

Go with the [redacted]ers, go DeVilbiss

DeVilbiss is far and away the preference of winners of Fleet-Owner Maintenance Efficiency Awards for 1960. In the Truck Division, 18 out of 23 winners use DeVilbiss spray equipment for finishing . . . 15 of them exclusively. In the Bus Division, it's 25 out of 27 for DeVilbiss . . . with 19 exclusive users. For a winning finish on *your* fleet, start with DeVilbiss. The DeVilbiss Company, Toledo 1, Ohio. Offices in principal cities.

FOR TOTAL SERVICE, CALL

DEVILBISS

● More details? Circle 158 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

HOISTS TO HOSE, AIR BRAKE

HOISTS, Chain or Cable (Manual)

American Gage & Mfg Co
AUTO SPECIALTIES MFG CO INC
Baker Mfg Co (Mich)
BLACKHAWK AUTOMOTIVE DIV
Cleveland Crane & Engineering Co
Columbus McKinnon Chain Corp
Conco Engrg Works Div
Hyster Co
Industrial Crane & Hoist Ingersoll Products Div
Lempco Products Inc
Lewis-Shepard Products Inc
Manley Div Douglas Motors Inc
Manzell Div
Ohio Hoist & Mfg Co
Reading Crane & Hoist Corp
Roeper Crane & Hoist Works
Ruger Equipment Inc
Sasgen Derrick Co
Shaw Box Crane & Hoist Div
Star Machine & Tool Co
Stratton Equipment Co
Thern Machine Co
Unit Mfg Co
U S Chemical & Supply Co
Wright Hoist Div
Yale & Towne Mfg Co

HOISTS, Chain or Cable, Electric

American Engineering Co
Barrett-Cravens Co
BLACKHAWK AUTOMOTIVE DIV
Chester Hoist Div
Chisholm-Moore Hoist Div
Cleveland Crane & Engineering Co
Coffing Hoist Div
Conco Engineering Works Div
Detroit Hoist & Machine Co
Electro Lift Inc
Harnischfeger Corp Industrial Div
Ohio Hoist Mfg Co
Reading Crane & Hoist Corp
Shaw Box Crane & Hoist Div
Shepard Niles Crane & Hoist Corp
Thomas Hoist Co
Ven Corp
Wright Hoist Div
Yale Materials Handling Div

HOISTS, Chain or Cable, Pneumatic

Aro Equipment Corp
CHICAGO PNEUMATIC TOOL CO
Coffing Hoist Div
Curtis Mfg Co
Detroit Hoist & Machine Co
Gardner-Denver Co
HOLMES CO ERNEST
INGERSOLL-RAND CO
Thor Power Tool Co

HOISTS, TRUCK BODY *See Body Hoists*

HOISTS, VEHICLE LIFTING *See Lifts*

HOLDERS, Air Brake Hose

Arsco Mfg & Sales Corp
BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
BERG MFG & SALES CO
EIS AUTOMOTIVE CORP
Fawick Brake Div
Velvac Inc

HOLDERS, ELECTRODE *See Welders & Equipment*

HOLDERS, LOAD *See Load Binders*

HONES, CYLINDER *See Cylinder Hones*

HONES, Small Bore (For Piston Pins, Brake Cylinders, Bushings, Etc.)

AMMCO TOOLS INC
BARRETT EQUIPMENT CO
Beard Tool Co L O
EIS AUTOMOTIVE CORP
Goodson Mfg Co
Hall-Toledo Inc
HASTINGS MFG CO
HERBRAND DIV
KENT-MOORE ORGANIZATION INC
Kennedy Service Tools Co
Keystone Reamer & Tool Co
Lempco Products Inc
Lisle Corp
McQUAY-NORRIS MFG CO
Micromatic Hone Corp
New Britain Machine Co Hand Tool Div
OWATONNA TOOL CORP
Reasor Mfg Co
Robinson Mfg Co
SNAP-ON TOOLS CORP
Staple Engineering Co
SUNNEN PRODUCTS CO
WAGNER ELECTRIC CORP

HOOKS, TOWING *See Towing Hooks*

HORNS, Air

BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
Buell Mfg Co
ELECTRIC AUTOLITE CO
FORD DIV FORD MOTOR CO
Grover Products Co
Hadley Mfg Co
Kahlenberg Bros Co
SPARTON AUTOMOTIVE DIV
Trico Products Co
WAGNER ELECTRIC CORP
Western Products
Yoder Mfg Co

HORNS, Electric

BOSCH CORP ROBERT
DELCO-REMY DIV
DO-RAY LAMP CO
Edwards Co
ELECTRIC AUTOLITE CO
FORD DIV FORD MOTOR CO
Jubilee Mfg Co
SPARTON AUTOMOTIVE DIV
Yoder Mfg Co

HORNS, Siren (For Emergency Vehicles)

American-La France-Foamite Corp
Federal Sign & Signal Corp
Fyr-Fyter Co Portable Fire Equipment Div
Grover Products Co
Jubilee Mfg Co
M L Snyder & Son Inc
Standard Carriage Wks Inc
Steinwachs Safety Supply

HORNS, Vacuum Operated

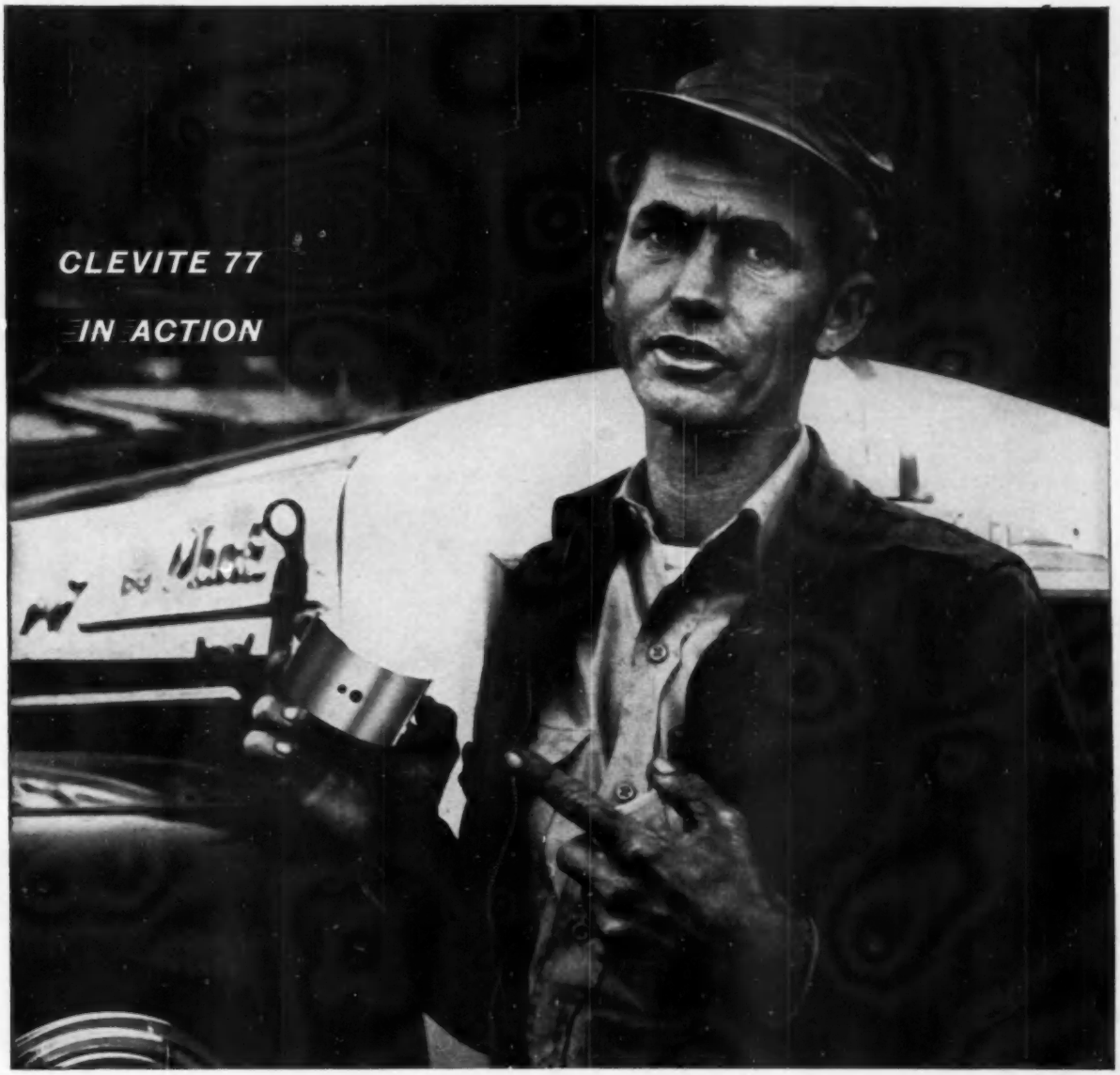
FORD DIV FORD MOTOR CO
Grover Products Co
Hadley Mfg Co
Jubilee Mfg Co
Trico Products Corp
Yoder Mfg Co

HORN RELAYS *See Relays, Electrical*

HOSE

HOSE, Air Brake

Acme-Hamilton Mfg Corp
AEROQUIP CORP
American Coupling Co
Anchor Coupling Co
BENDIX PRODUCTS DIV
BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
Boston Woven Hose & Rubber Co
Continental Rubber Works
Crown Products Co
Dayco Corp Tire Div
Durkee-Atwood Co
Electric Hose & Rubber Co
Fawick Brake Div
GATES RUBBER CO
GOODYEAR TIRE & RUBBER CO
GREY-ROCK DIV
Hewitt-Robbins Inc
IMPERIAL BRASS MFG CO
Industrial Steel Tank & Body Works Inc
LEE RUBBER & TIRE CORP
LINCOLN ENGINEERING CO DIV
Raybestos-Manhattan Plastic Products Div
Stratoflex Inc
THERMOID DIV
Velvac Inc



"You can't beat Clevite 77...

. . . I know because I personally do all my own engine repairs and see firsthand how the bearings stand up. In fact, I've got a Mack with Clevite 77 bearings in it that's been hauling a 32,000 pound payload since 1956—and the bearings are as good as new. With a fleet of 12 trucks carrying sand and gravel everyday, I've got to have bearings that can take it."

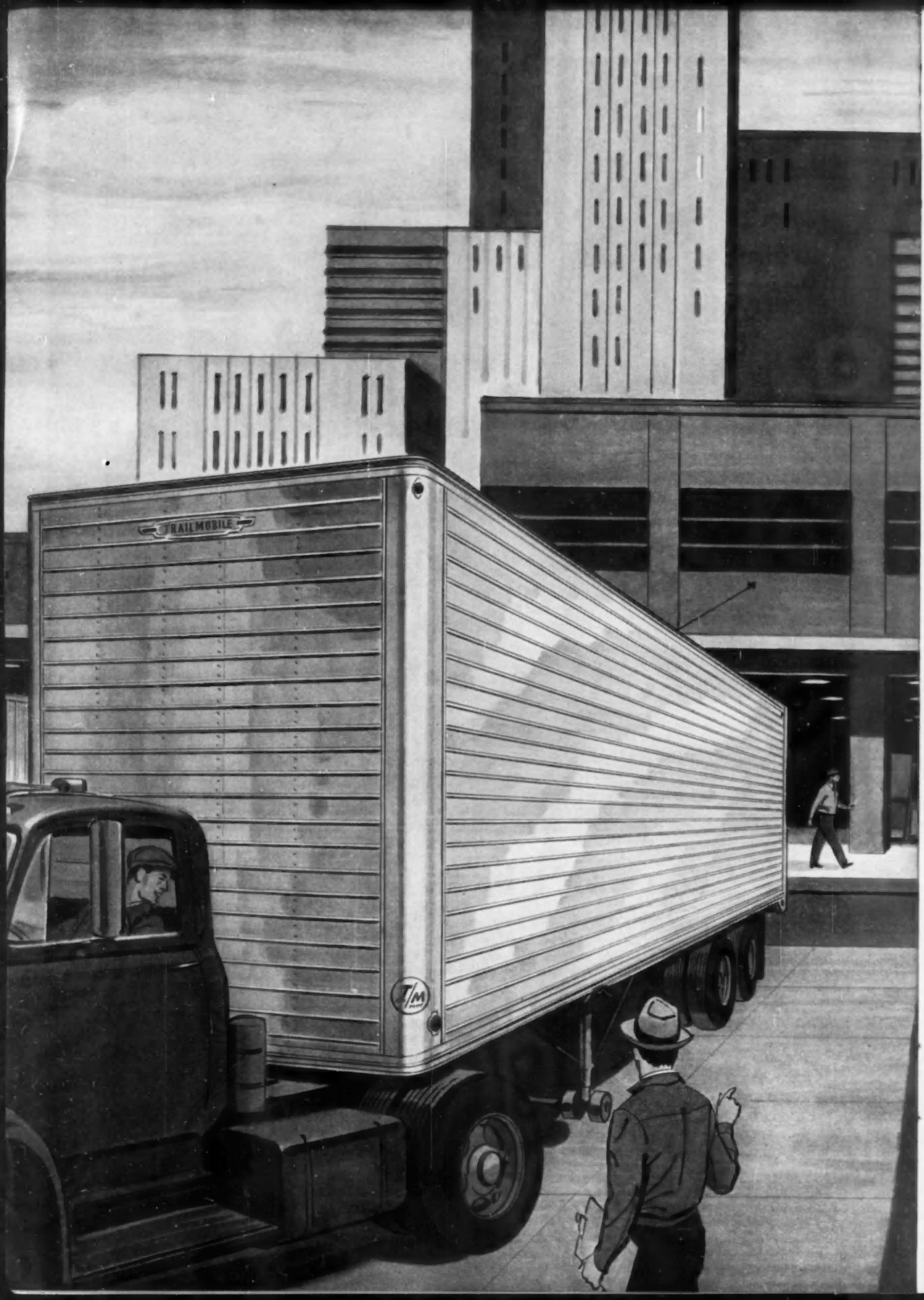
Other fleet owners like Mr. Jenkins are learning that Clevite 77 bearings have the built-in quality to perform at a profit. Their patented tri-metal construction gives smoother operation and longer trouble-free performance. For your next engine overhaul, get Clevite 77 from your NAPA jobber—he has a complete stock.

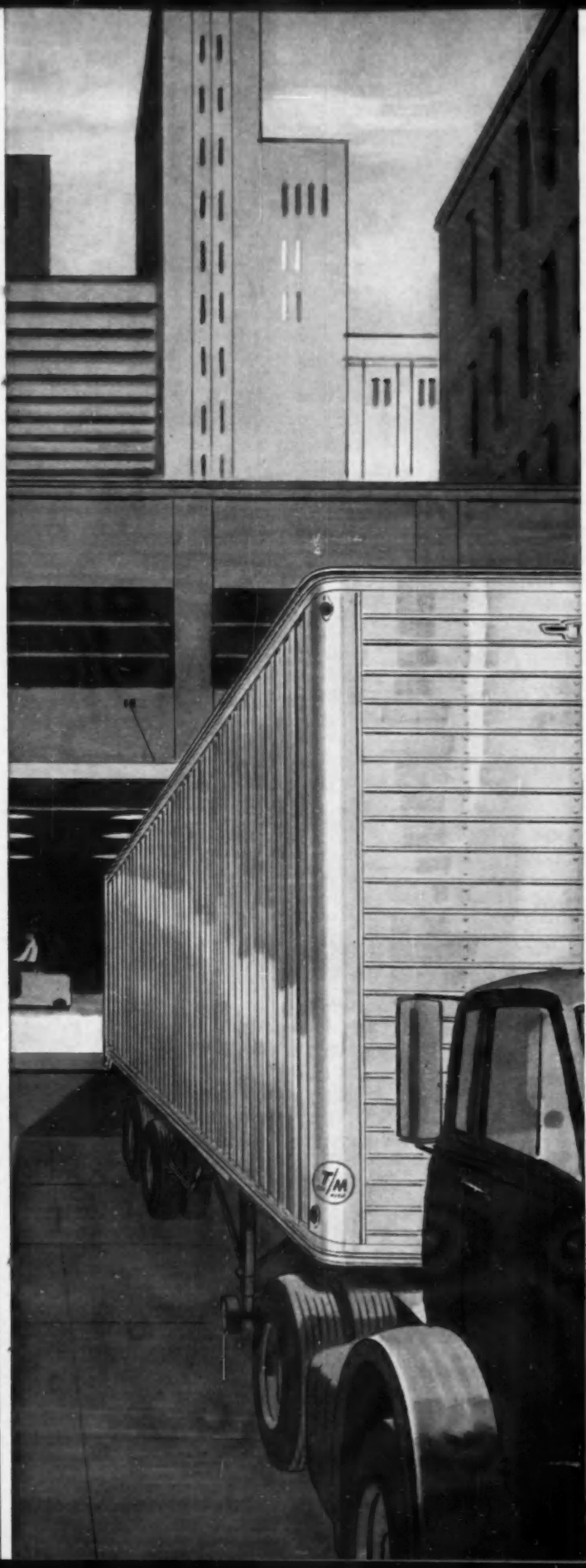
says Lex Jenkins, Owner
Lex Jenkins Company
Baton Rouge, La.

Low premium "service insurance" is yours when you install . . .

MONMOUTH *Engine Bearings*

CLEVITE SERVICE: Cleveland Graphite Bronze • *Division of Clevite Corporation* • Cleveland 3, Ohio


TRAILMOBILE
T/M



Two all-time favorites with carriers and shippers alike

These sleek L-series vans are favorites with just about everybody—even with some trailer manufacturers—for this remarkable Trailmobile is the most widely copied design on the highway today. And small wonder.

There's profit for carriers and shippers alike in its big functional loading space that gives you a uniform 98½" loading height and a 93" width. There's solid protection against leakage in its new one-piece roof... and in a unique quarter panel that puts all roof fastenings on the outside of the trailer. There's protection against nagging repair bills in the simply designed, trouble-free Trailmobile tandem . . . in the stronger, lighter side panels . . . in the husky under-frame that incorporates the famous 2¾" Lo-level upper fifth wheel. Big functional capacity for bigger payloads—low maintenance for lower operating costs. Why not put this profit-winning combination in *your* fleet?

TRAILMOBILE INC.

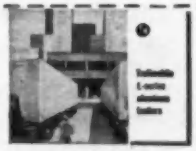
FIRST ON THE ROAD TO PROGRESS

Cincinnati 9, Ohio • Springfield, Mo. • Longview, Tex. Fremont, Calif.

TR-875

Trailmobile, Inc., Cincinnati 9, Ohio

Please send me illustrated folder on the Trailmobile L-Series Trailers.



name _____

company _____

street _____

city _____ zone _____ state _____

● More details? Circle 160 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

HOSE, AIR TO

HOSE, RADIATOR

HOSE, Air Brake—*continued*

WAGNER ELECTRIC CORP
WEATHERHEAD CO FT WAYNE DIV
WOHLERT CORP

HOSE, Air (For Shop)

Acme-Hamilton Mfg Corp
AEROQUIP CORP
ALEXANDER-TAGG INDUSTRIES INC
Anaconda Metal Hose Div
Balcrank Inc
BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
Binks Mfg Co
CHICAGO PNEUMATIC TOOL CO
Continental Rubber Works
DAYTON RUBBER CO
DE VILBISS CO
Durkee-Atwood Co
Fawick Brake Div
Gabriel Co
GATES RUBBER CO
Goodrich Industrial Products Co
GOODYEAR TIRE & RUBBER CO
GRAY CO INC
IMPERIAL BRASS MFG CO
International Metal Hose Co
Jaeger Machine Co
LEE RUBBER & TIRE CORP
LINCOLN ENGRG CO
Moore & Co Synflex Products Div
Myers Tire Supply Co
Raybestos-Manhattan Inc Rubber Div
REMACO INC
REVERE COPPER & BRASS INC
A SCHRADER'S SON DIV
Star Products Co
Swan Rubber Co
THERMOID DIV
Thor Power Tool Co
Titeflex Inc
UNITED STATES RUBBER CO
Velvac Inc
WEATHERHEAD CO FT WAYNE DIV

HOSE CLAMPS

Accurate Products Inc
Aeroquip Corp Marman Div
Anchor Coupling Co
BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
Binks Mfg Co
BREEZE CORP INC
Brewer-Titchener Corp
Champ-Items Inc
CHICAGO PNEUMATIC TOOL CO
Continental Rubber Works
DORMAN PRODUCTS INC
Eaton Mfg Co Reliance Div
EIS AUTOMOTIVE CORP
Everhot Products Co
Federal Laboratories Inc
FORD DIV FORD MOTOR CO
Ideal Corp
INGERSOLL-RAND CO
LINCOLN ENGINEERING CO DIV
Loock & Co R J
Murray Co
Myers Tire Supply Co
Perfect Parts Inc
Pollak Corp Joseph
Purolator Products Inc
SCHRADER'S SON DIV
Snyder & Son Inc M L
Thor Power Tool Co
Titeflex Inc
Turner Mfg Co
Velvac Inc
Victor Instrument Mfg Co
Waag Enterprises
Wickwire Spencer Steel Div
Wittek Mfg Co

HOSE, GASOLINE *See Fuel Lines, Flexible*

HOSE, Grease & Oil

Adams Grease Gun Corp
AEROQUIP CORP
Anchor Coupling Co
Balcrank Inc
Continental Rubber Works
Edelmann & Co E
Fawick Brake Div
GATES RUBBER CO
GRAY CO
HAYWOOD INDUSTRIES
IMPERIAL BRASS MFG CO
LINCOLN ENGRG CO
REPUBLIC RUBBER DIV
Snyder & Son Inc M L
Swan Rubber Co
THERMOID DIV
UNITED STATES RUBBER CO
Universal Lubricating Systems Inc
WEATHERHEAD CO FT WAYNE DIV

HOSE, Heater

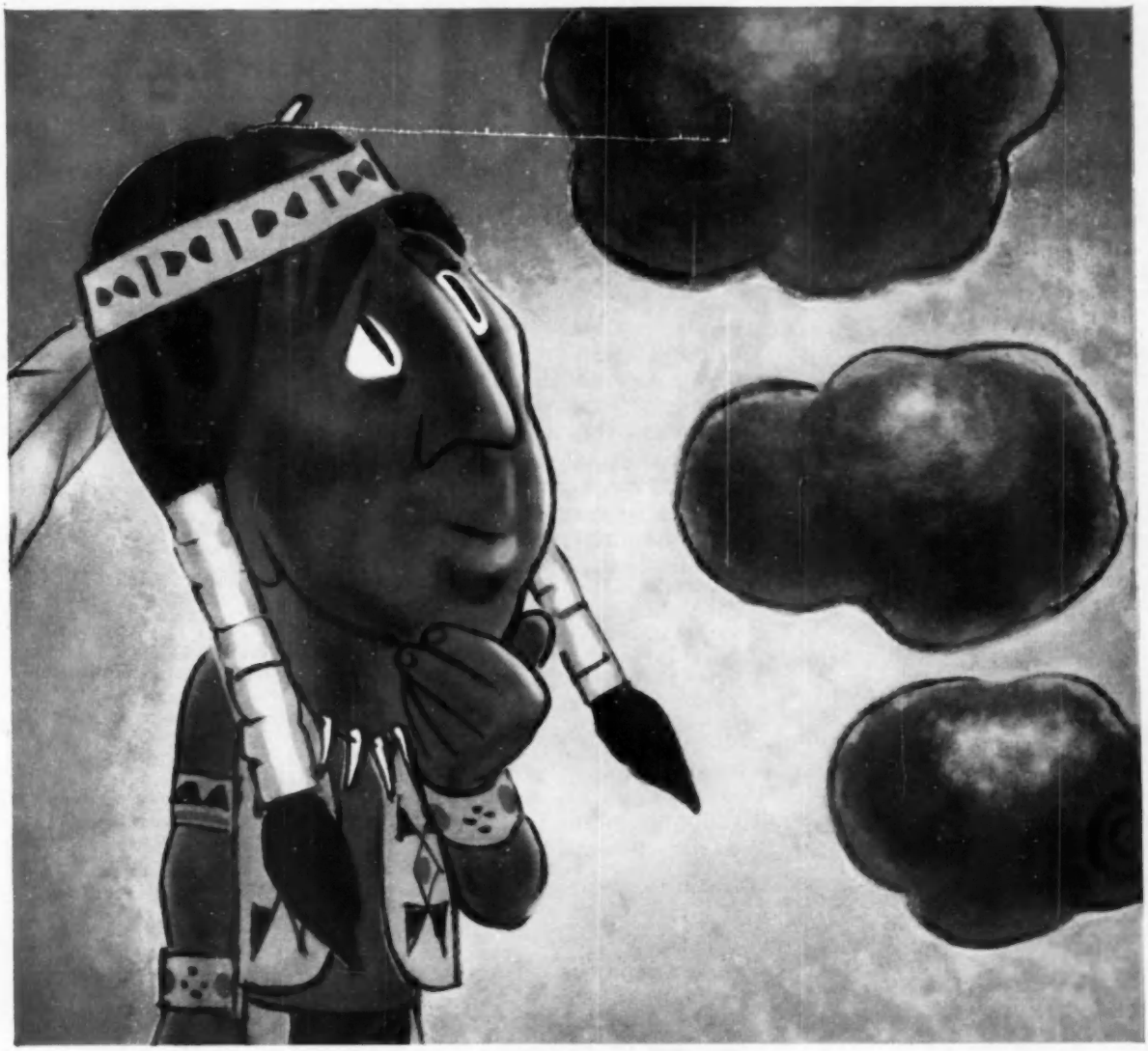
Acme-Hamilton Mfg Corp
Buckeye Rubber Products Inc
Continental Rubber Works
DAYTON INDUSTRIAL PRODUCTS CO
DAYTON RUBBER CO
Durkee-Atwood Co
Everhot Products Co
FIRESTONE TIRE AND RUBBER CO
FORD DIV FORD MOTOR CO
GATES RUBBER CO
Goodrich Industrial Products Co
GOODYEAR TIRE & RUBBER CO
GREY ROCK DIV
Hewitt-Robins Inc
HUPPOWER DIV
KYSOR HEATER CO
LEE RUBBER & TIRE CORP
MOPAR DIV CHRYSLER CORP
Ridho Laboratories Inc
Snyder & Son Inc M L
THERMOID DIV
UNITED STATES RUBBER CO
Velvac Inc
WEATHERHEAD CO FORT WAYNE DIV

HOSE, Hydraulic Brake

Acme-Hamilton Mfg Co
AEROQUIP CORP
Anchor Coupling Co
Continental Rubber Works
Durkee-Atwood Co
EIS AUTOMOTIVE CORP
EVERHOT PRODUCTS CO
Fawick Brake Div
Flexonics Corp
GATES RUBBER CO
Goodrich Industrial Products Co
GOODYEAR TIRE & RUBBER CO
Grizzly Mfg Co
IMPERIAL BRASS MFG CO
Inland Mfg Div
LEE RUBBER & TIRE CORP
Lisle Corp Brake Div
MOPAR DIV CHRYSLER CORP
National Ignition Mfg Co
OEM Products Co
Perfect Parts Inc
Preferred Electric & Wire Co
Stratoflex Inc
THERMOID DIV
UNITED MOTORS SERVICE
United Parts Div
UNITED STATES RUBBER CO
WAGNER ELECTRIC CORP
WEATHERHEAD CO FT WAYNE DIV
WOHLERT CORP

HOSE, Radiator

Acme-Hamilton Mfg Corp
Anchor Packing Co
Badger Mfg Corp
Carlisle Tire & Rubber Div
Continental Rubber Works
Crown Products Co
DAYTON INDUSTRIAL PRODUCTS CO
DAYTON RUBBER CO
Durkee-Atwood Co
EGAN MFG CO H B
Everhot Products Co



CAN YOU AFFORD TO WAIT FOR SMOKE SIGNALS?

Smoke signals from an engine are sure signs of excessive engine wear and poor engine performance . . . signs you're in for costly repair bills! Smart fleet owners today are avoiding undue wear by regular use of Fram quality products on a regular change basis. Better find out about Fram's exclusive Fleet Survey System, which enables you to keep a constant check on every vehicle's filters. A Fram Fleet Engineer tags each filter for quick, exact cartridge change . . . provides you with a complete cartridge change record, assuring complete filter protection with an absolute minimum of inventory! To get maximum performance from each of your vehicles, just drop us a card or phone . . . FRAM CORPORATION, Providence 16, R. I., GEneva 4-7000.

YOUR FIRST LINE OF ENGINE PROTECTION

FRAM
OIL AIR FUEL WATER
FILTERS

● More details? Circle 161 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on page 236

HOSE, REFRIGERATOR TO IGNITION CABLE

HOSE, Radiator—*continued*

FIRESTONE INDUSTRIAL PRODUCTS CO
FIRESTONE TIRE AND RUBBER CO
FORD DIV FORD MOTOR CO
GATES RUBBER CO
Globe Rubber Products
Goodrich Industrial Products Co
GOODYEAR TIRE & RUBBER CO
IMPERIAL BRASS MFG CO
JOHNS-MANVILLE
MOBIL OIL CO
Moore & Co Samuel
MOPAR DIV CHRYSLER CORP
Ridho Laboratories Inc
Snyder & Son Inc M L
THERMOID DIV
UNITED STATES RUBBER CO
Velvac Inc

HOSE, Refrigerator

AEROQUIP CORP
Continental Rubber Works
Dole Refrigerating Co
Fawick Brake Div
IMPERIAL BRASS MFG CO
LEE RUBBER & TIRE CORP
Stratoflex Inc
THERMOID DIV
WEATHERHEAD CO FORT WAYNE DIV

HOSE, Vacuum Brake

AEROQUIP CORP
BENDIX PRODUCTS DIV
Boston Woven Hose & Rubber Co
Continental Rubber Works
DAYCO CORP TIRE DIV
DAYTON INDUSTRIAL PRODUCTS CO
Durkee-Atwood Co
EIS AUTOMOTIVE CORP
Fawick Brake Div
FORD DIV FORD MOTOR CO
GATES RUBBER CO
GOODYEAR TIRE & RUBBER CO
Hewitt-Robins Inc
IMPERIAL BRASS MFG CO
LEE RUBBER & TIRE CORP
THERMOID DIV
UNITED STATES RUBBER CO
Velvac Inc
WEATHERHEAD CO FORT WAYNE DIV

HOSE, Vacuum

Acme-Hamilton Mfg Corp
AEROQUIP CORP
BENDIX PRODUCTS DIV
Continental Rubber Works
DAYTON INDUSTRIAL PRODUCTS CO
Durkee-Atwood Co
Fawick Brake Div
GATES RUBBER CO
Globe Rubber Products Corp
GOODRICH TIRE CO B F
GOODYEAR TIRE & RUBBER CO
IMPERIAL BRASS MFG CO
LEE RUBBER & TIRE CORP
Snyder & Son Inc M L
SPRAGUE DEVICES INC
Standard Carriage Wks Inc
Steinwachs Safety Supply
THERMOID DIV
Trico Products Corp
Velvac Inc
Victor Instrument Mfg Co
WEATHERHEAD CO FORT WAYNE DIV

HOSE, Welding

Acme-Hamilton Mfg Corp
AEROQUIP CORP
Air Reduction Sales Co
Boston Woven Hose & Rubber Co
Burdett Oxygen Co of Cleveland Inc
Continental Rubber Works
DAYTON INDUSTRIAL PRODUCTS CO
Durkee-Atwood Co
Fawick Brake Div
GATES RUBBER CO
Goodrich Industrial Products Co
GOODYEAR TIRE & RUBBER CO
Hewitt-Robins Inc
Linde Co
Manhattan Rubber Div
Marquette Mfg Co
MONARCH ROAD MACHINERY
National Cylinder Gas Div
Raybestos-Manhattan Inc
REPUBLIC RUBBER DIV
Smith Welding Equipment Corp
Snyder & Son Inc M L
THERMOID DIV
UNITED STATES RUBBER CO

HUBODOMETER

Actuator Products Corp
ENGLER INSTRUMENT CO
KING-SEELEY CORP
Veeder-Root Inc

HUB OIL SEALS

Mechanex Corp
Stemco Mfg Co

HUBS, WHEEL *See Wheel Hubs*

HUMIDITY REGULATORS

Daystrom Inc Weston Instruments Div
DE VILBISS CO
Minneapolis-Honeywell Regulator Co Industrial Div
The Partlow Corp
Powers Regulator Co

HYDRAULIC TOOLS & EQUIPMENT *See Products Desired*

HYDRAULIC PUMPS & MOTORS

Bendix Lakeshore Div
Denison Engrg Div
Dynex Inc
Eaton Mfg Co Pump Div
HEIN-WERNER CORP
Hupp Aviation Div
Hy-Lo-Jack
Long Mfg Div
MONARCH ROAD MACHINERY CO
Muncie Parts Mfg Co
New York Air Brake Co
OWATONNA TOOL CO
Sheffer Corp
SUNDSTRAND HYDRAULICS DIV (Constant speed for refrigeration units)
Thompson Products Inc Michigan Div
Tuthill Pump Co
VICKERS INC MOBILE HYDRAULICS DIV
Waag Enterprises
Wisconsin Hydraulics Inc
Wooster Div Borg-Warner Corp

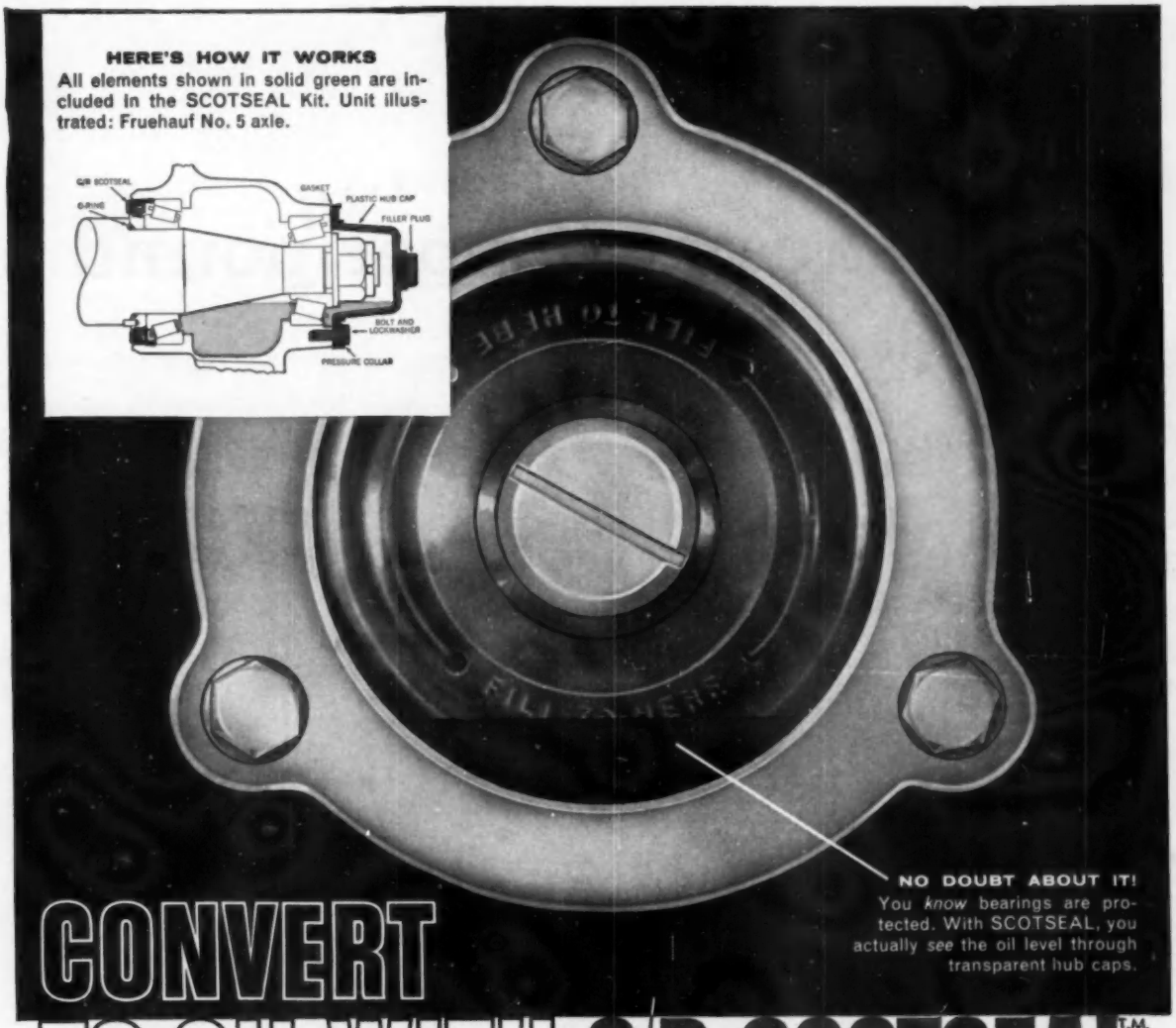
HYDROMETERS, Battery & Coolant

BISHMAN MFG CO
DU PONT DE NEMOURS & CO E I
Edelmann & Co E
EXIDE AUTOMOTIVE DIV
Fox Products Co
General Scientific Equipment Co
IMPERIAL BRASS MFG CO
Kennedy Service Tools Co
Murray Co
Precision Thermometer & Instrument Co
Preferred Electric & Wire Co
Rolf Darbo
SNAP-ON TOOLS CORP
Star Products Co
SUN ELECTRIC CORP
Taylor Instrument Companies
Victor Instrument Mfg Co
Western Electrical Instruments Div
WILLARD STORAGE BATTERY DIV

IGNITION

IGNITION CABLE

American Electric Cable Co
BELDEN MFG CO
Berg Mfg & Sales Co



CONVERT TO OIL WITH C/R SCOTSEAL T.M.

Trailer Axle Oil Sealing Kit

- **Adds to Bearing Life**
- **Decreases Maintenance**
- **Reduces Down-Time**
- **Fleet-Proved**

Any way you look at it—dependability or cost—C/R oil-lubrication of trailer wheel bearings brings you many economies. (1) No more grease repacks—oil lasts from one brake reline to the next. (2) No burned-out bearings due to postponed repacking. (3) Less drag, lost power, and fuel wastage, because the SAE-30 oil remains free-flowing winter and summer. (4) More complete protection for brake linings against lubricant leakage.

Ask your C/R Supplier to show you the new C/R SCOTSEAL Kit* and the ingenious SCOTSEAL Installation Tool* that makes installation fast and simple. Here's a real money-saver in trailer operation. Don't put off a test application.

Installation is as easy as repacking and just as fast!

FREE FOLDER NOW READY

For complete information on the only conversion kit that permits the use of SAE-30 oil, ask your C/R Supplier for this new, free folder. Or, if you prefer, we'll be glad to mail direct.

*Patents Applied For.

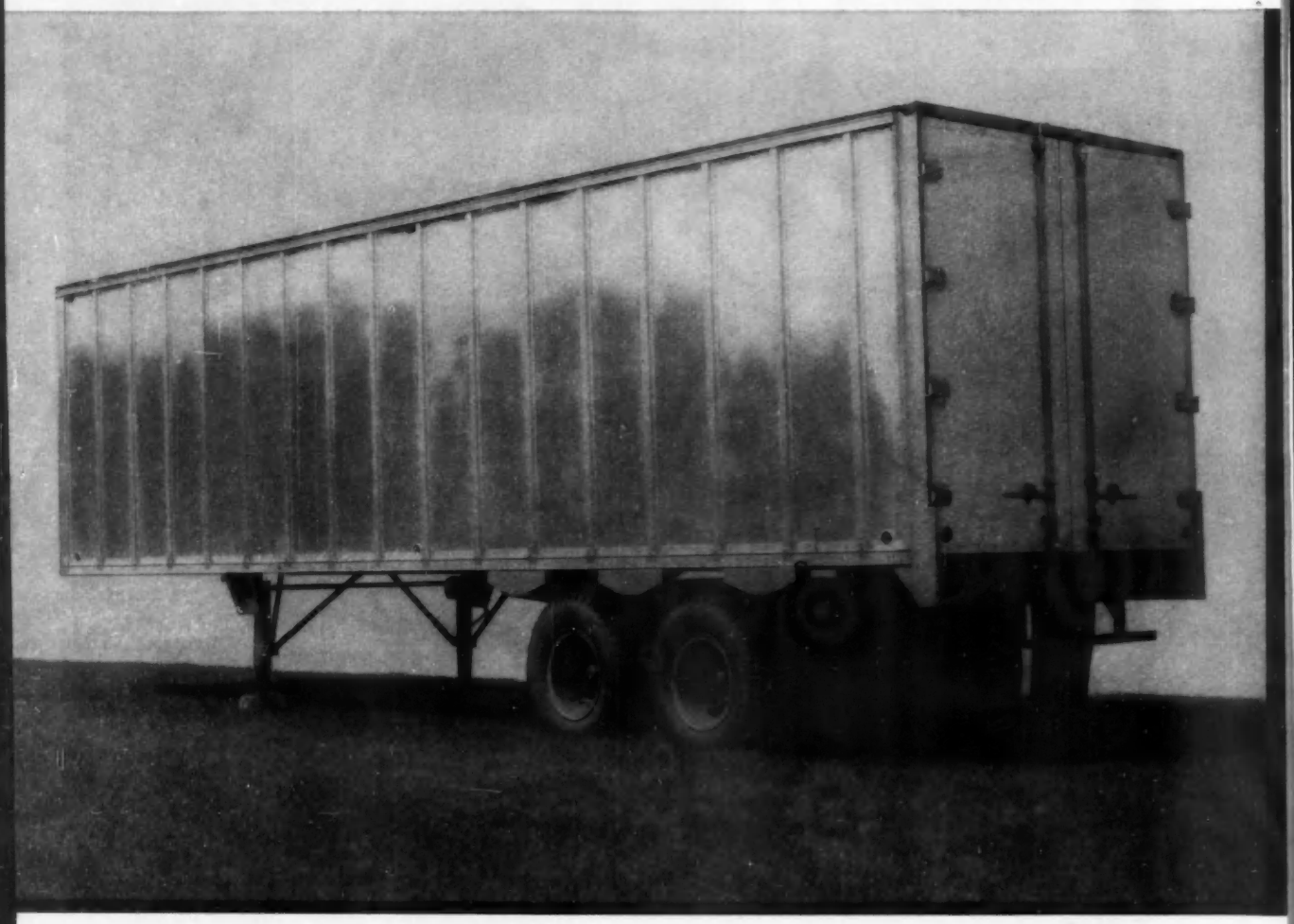
SEAL OF PROVED PERFORMANCE

CHICAGO RAWHIDE MANUFACTURING COMPANY
SERVICE SALES DIVISION
CHICAGO 22, ILLINOIS

● More details? Circle 162 on reply card inside back cover

8 ALL-NEW Brown Trailers give you . . .

biggest capacity per pound of



8 Basic models to choose from—three corrugated exterior skin models, three high-cube exterior post models and two extra-wide high-cube exterior post models, each with a choice of many options.

New LOW-BEAM king pins mean more inside height—new, low-beam king pin construction in Series A Trailers gives more usable inside height. Redesigned rear frame increases height and width of rear door opening.

New OUTSIDE running gear mounting—outside mounting of running gear is standard on Series A Trailers . . . makes it possible to reposition running gear without altering trailer structure. You can choose Standard Tandem or Single Axle running gear or Brown's road-tested Cushionair Suspension. Conventional inside mounting of running gear is standard on step floor models, optional on others.

New ONE-PIECE roof for leakproof service—one-piece aluminum roof is riveted to upper longerons outside of cargo area only—protects cargo against water damage. Roof slightly crowned for fast water runoff—drain trough in top of rear frame keeps water from cascading over rear doors.

Parts and service available nationally—the Brown Trailer Branch and Dealer network serves all major markets from coast to coast. Prompt repair and parts service is available to national, as well as regional operators.

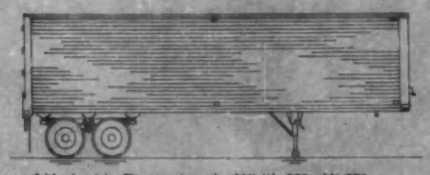
Low-cost financing now available—to conserve your capital, take advantage of Clark Equipment Company's convenient, low-cost financing plan. You can buy or lease any of the new Series A Trailers on terms which fit your needs.

trailer weight

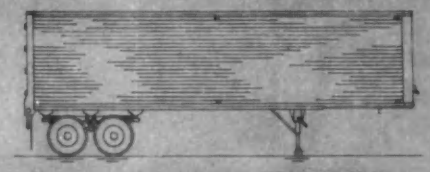
What do you want in a trailer . . . high cube and light weight, light weight and low cost, low cost and high cube? There is a model in the new Brown Series A line of trailers to fit virtually every cube-weight-cost requirement.

ALL-NEW from the ground up, the models shown here have been engineered to achieve maximum volume without weight penalty while retaining strength and structural rigidity. The new models represent a true balance between operator needs and structural, legal and weight limitations.

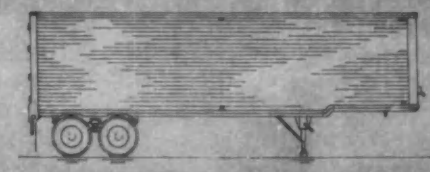
For more information about the new Brown Series A Trailers, contact the nearest Brown Trailer Branch or Dealer or write to Clark Equipment Company, Brown Trailer Division.



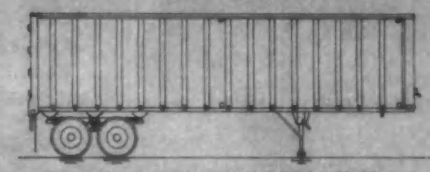
AV—Inside Dimensions*—Width 93"—Ht 97"
Door Opening Width 93"—Ht 94⅝"



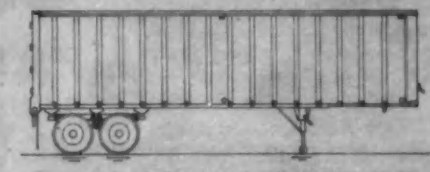
Optional—Inside Dimensions—Width 93"—Ht 98"
Door Opening Width 93"—Ht 95⅝"



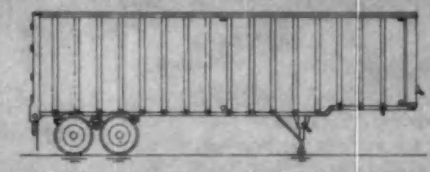
AMV—Inside Dimensions—Width 93"—Ht 102" (rear of step)
Door Opening Width 93"—Ht 100⅝"



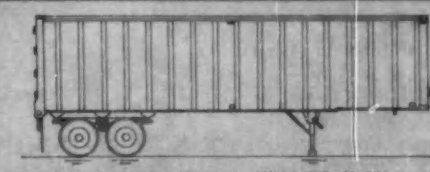
AX—Inside Dimensions—Width 93½"—Ht 97"
Door Opening Width 93" —Ht 94⅝"



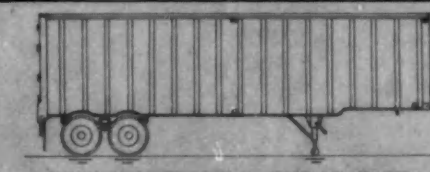
Optional—Inside Dimensions—Width 93½"—Ht 98"
Door Opening Width 93" —Ht 95⅝"



AMX—Inside Dimensions—Width 93½"—Ht 102" (rear of step)
Door Opening Width 93" —Ht 100⅝"



AXW—Inside Dimensions—Width 94"—Ht 98"
Door Opening Width 93"—Ht 95⅝"



AMXW—Inside Dimensions—Width 94"—Ht 102" (rear of step)
Door Opening Width 93"—Ht 99⅝"

*All dimensions based on 48" king pin height and 12'6" overall height.

BROWN TRAILERS ® CLARK EQUIPMENT

CLARK EQUIPMENT COMPANY
BROWN TRAILER DIVISION
Michigan City, Indiana

Be sure to get a quote from Brown

● More details? Circle 163 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on page 236

IGNITION COILS TO INJECTORS, FUEL

IGNITION CABLE—*continued*

Cole-Hersee Co
Crescent Co
ELECTRIC AUTOLITE CO
Essex Wire Corp
EXIDE AUTOMOTIVE DIV
Flexo Wire Div Copperweld Steel Co
FORD DIV FORD MOTOR CO
Monarch Insulated Wire Co
MOPAR DIV CHRYSLER CORP
PACKARD ELECTRIC DIV
Royal Electric Corp
Sorenson Mfg Co P
STANDARD MOTOR PRODUCTS INC
TRIPLE-A-SPECIALTY CO
UNITED MOTORS SERVICE
Velvac Inc
Waag Enterprises
Walker Bros Automotive Wire & Cable Div
Whitaker Cable Corp
Whyte Electric Products Co Ray
WILLARD STORAGE BATTERY DIV

IGNITION COILS

Blackstone Mfg Co Stan-Test Div
BOSCH CORP ROBERT
DELCO-REMY DIV
ECHLIN MFG CO
ELECTRIC AUTOLITE CO
F & B MFG CO
FORD DIV FORD MOTOR CO
Guaranteed Parts Co
HOLLEY CARBURETOR CO
Kem Mfg Co
Mallory Electric Corp
MOPAR DIV CHRYSLER CORP
MOTORCRAFT
National Ignition Mfg Co
Niehoff & Co C E
P & D MFG CO
Paragon Products Corp
Preferred Electric & Wire Co
R-B-M Controls Div
Shurhit Products Inc
STANDARD MOTOR PRODUCTS INC
Tungsten Contact Mfg Co
UNITED MOTORS SERVICE
Valley Forge Products Co
Waag Enterprises
Wells Mfg Corp
Wheel Parts & Mfg Co
Wico Ignition Div

IGNITION CONDENSER TESTERS

Auto-Test Inc
Cornwell Quality Tools Co
Dodge Electro Products Co
Du Mont Laboratories Inc Allen B
Fox Co Thomas T Electronic & Machine Div
Graham Research Inc
Harvey E Hanson Co
Heyer Industrial Inc
Kennedy Service Tools Co
King Electric Equipment Co
Simpson Electric Co
SNAP-ON TOOLS CORP
STANDARD MOTOR PRODUCTS INC
SUN ELECTRIC CORP
Weidenhoff Corp

IGNITION DISTRIBUTORS

ROBERT BOSCH CORP
DELCO-REMY DIV
ECHLIN MFG CO
ELECTRIC AUTOLITE CO
FORD DIV FORD MOTOR CO
HOLLEY CARBURETOR CO
King Electric Equipment Co
Mallory Electric Corp
MOPAR DIV CHRYSLER CORP
Paragon Products Corp
Shurhit Products Inc
Waag Enterprises
Wico Ignition Div

IGNITION DISTRIBUTOR TESTERS

AC SPARK PLUG DIV
Allen Electric & Equipment Co
Auto-Test Inc
BOSCH CORP ROBERT
DAYTON STEEL FOUNDRY CO THE
Doyle Electro Products Co
Empire Electronics
Fox Co Thomas T
Fox Valley Instrument Co
Hanson Co Harvey E
HERBRAND DIV
Kal-Equip Co
Kennedy Service Tools Co
King Electric Equipment Co
Motoraide Corp
Simpson Electric Co
SNAP-ON TOOLS CORP
SUN ELECTRIC CORP
Weidenhoff Corp

IGNITION PARTS

American Motor Products Co
Blackstone Mfg Co Stan-Test Div
BOSCH CORP ROBERT
Dayton Automotive Products Co
Del City Wire Co
DELCO-REMY DIV
E T C Inc
ECHLIN MFG CO
ELECTRIC AUTOLITE CO
F & B MFG CO
FORD DIV FORD MOTOR CO
General Cable Co
Glipak Automotive Products Div
Guaranteed Parts Co
Hallett Mfg Co
HOLLEY CARBURETOR CO
Jorin Specialty Co
Kem Mfg Co
Mallory Electric Corp
MOPAR DIV CHRYSLER CORP
MOTORCRAFT
National Ignition Mfg Co
New York Coil Co
Niehoff & Co C E
P & D MFG CO
Paragon Products Corp
Perfection Automotive Products Corp
Preferred Electric & Wire Co
Renberles Products Co
Shurhit Products Inc
Sprague Electric Co
STANDARD MOTOR PRODUCTS INC
Valley Forge Products Inc
Waag Enterprises
Wells Mfg Corp
Wico Ignition Div

IGNITION SPRAY

SHERWIN-WILLIAMS CO
Sprayon Products Co
STANDARD MOTOR PRODUCTS INC

IGNITION SWITCHES *See Switches, Ignition*

IGNITION SWITCHES, CUT-OFF *See Switches, Ignition Cut-Off*

IGNITION TOOLS *See Tools, Ignition*

INDICATING SIGNALS *See Signals*

INDICATING THERMOMETERS *See Thermometers*

INDICATORS, CARBON MONOXIDE *See Alarms, Carbon Monoxide*

INDICATORS, Dump Body Angle

Galion Allsteel Body Co
Hercules Steel Products Co
Monroe Standard Inc

INFLATORS, TIRE *See Tire Inflators*

INHIBITORS, RUST RADIATOR *See Radiator Rust Inhibitors*

INJECTORS, Fuel

Allis-Chalmers Mfg Co
American Bosch Div
BOSCH CORP ROBERT
CAV Fuel Injection Equipment Div
Eclipse Machine Div Bendix Corp
Fuelcharger Corp
GENERAL MOTORS CORP DIESEL EQUIPMENT DIV
HARTFORD MACHINE SCREW CO
Marvel-Schebler Products Div
Rochester Products Div
Scintilla Div
Simmonds Precision Products Inc

● More details? Circle 164 on reply card inside back cover——→

Designed for quality—
your BEST BUY for the long run—

SHULER

FTL Series

Lightweight Brakes

These Shuler FTL Brakes (Fabricated Tapered Lining) have been re-designed for *minimum weight* — yet offer *exceptional* durability and long life. They feature:

1. **Fabricated steel construction for maximum strength.**
2. **High-quality tapered block lining riveted in place, and interchangeable with other makes of axles.**
3. **Shoes incorporate specially-designed channel rib section for additional rigidity without adding weight.**
4. **Large anchor pins with bushings of greater bearing area, for long life and less frequent replacement of bushings. Worn bearings are easily replaced, and brake shoes can be re-used repeatedly.**
5. **Hardened and ground roller shafts and cam rollers on the cam end of the brake shoes. The roller shafts are locked in place in the shoes and the cam roller turns on the shaft, not in the metal of the shoe.**
6. **Spiders bolt on, to permit replacement when necessary, without removing or replacing the entire axle.**

Write us for full details and quotations on these splendid brakes, proven by thousands of miles of trouble-free performance.

SHULER AXLE COMPANY, Incorporated, LOUISVILLE, KENTUCKY

Subsidiary of Fuller Manufacturing Company
Affiliate of Eaton Manufacturing Company

SALES OFFICES: CHICAGO, DETROIT, PHILADELPHIA, OAKLAND AND TULSA

WEST COAST WAREHOUSE
Oakland, California

SOUTHWEST WAREHOUSE
Fort Worth, Texas

For addresses of manufacturers, see Manufacturers Directory starting on page 236

INJECTOR TOOLS TO LAMPS

INJECTOR SERVICE TOOLS

BACHARACH INDUSTRIAL INSTRUMENT CO
BOSCH CORP ROBERT
KENT-MOORE ORGANIZATION INC
OWATONNA TOOL CO
Sweeney Mfg Co B K

INJECTORS, Water (For Gasoline Engine)

Engine Accessories Mfg Co
Waag Enterprises

INSERTS, VALVE SPRING *See Valve Spring Inserts*
INSERTS THREADED *See Threaded Inserts*
INSTRUMENTS *See item desired*

INSULATION, Body

American Latex Products Corp
ARMSTRONG CORK CO
B B Chemical Co
Burlington Mills Inc
Carey Mfg Co Philip
Detroit Gasket & Mfg Co
DIVCO TRUCK DIV
Dow Chemical Co
Evans Products Co
Flintkote Co
General Electric Co Apparatus Sales Div
Gustin-Bacon Mfg Co
Hackney Bros Body Co
Haskelite Mfg Div
JOHNS-MANVILLE
National Aniline Div
National Vulcanized Fibre Co
Owens-Corning Fiberglass Corp
PITTSBURGH PLATE GLASS CO FIBER GLASS DIV
REEVES BROTHERS INC
Rubatex Div
UNITED STATES RUBBER CO

INSULATION, Electrical Parts

(Liquid)

(Advertiser Only)

CHAMPION BRONZE POWDER & PAINT CO

INTAKE MANIFOLDS *See Manifolds*
IRONS, SOLDERING, *See Soldering Irons*

JACKS, Transmission

Air Hydraulic Inc
Ajax Mfg Co of Wis
AUTO SPECIALTIES MFG CO INC
BLACKHAWK AUTOMOTIVE DIV
Clayborne Mfg Co
HEIN-WERNER CORP
KENT-MOORE ORGANIZATION INC
Manzel Unit
Miller Mfg Co
SNAP-ON TOOLS CORP
Stephenson Industries Inc
Walker Mfg Co
WEAVER MFG DIV
Wilson Inc K R
Wudel Mfg Co Edmond J

JACKS, Hydraulic (Shop)

Ajax Mfg Corp of Wisconsin
AUTO SPECIALTIES MFG CO
Bee-Line Co
Big Joe Mfg Co
BLACKHAWK AUTOMOTIVE DIV
CHICAGO PNEUMATIC TOOL CO
Duff-Norton Co
Edgewater Automotive Div
HEIN-WERNER CORP
Holan Corp
Jack-Pack Mfg Co
Joyce-Cridland Co
Jubilee Mfg Co
Manley Mfg Div
Manzel Unit
Myers Tire Supply Co
OWATONNA TOOL CO
P-F Automotive Div H K Porter Inc
R U Jack Corp
Reliable Jack Div
Rotary Lift Div
Scott-Atwater Mfg Co
SNAP-ON TOOLS CORP
Stephenson Industries Inc
Templeton Kenly & Co
Walker Mfg Co
WATERVLIET TOOL CO
WEAVER MFG DIV

JACKS, Mechanical (Shop)

AUTO SPECIALTIES MFG CO
BLACKHAWK AUTOMOTIVE DIV
Caster Mold & Machine Co
Chicago Tool & Kit Mfg Co
Duff-Norton Co
FORD DIV FORD MOTOR CO
HEIN-WERNER CORP
KENT-MOORE ORGANIZATION INC
Peterson Mfg Co
Rotary Lift Div
Ryerson & Haynes Inc
So-Lo Jack Co
Templeton Kenly & Co
Triangle Jack Co
Universal Tool & Stamping Co
Walker Mfg Co
WATERVLIET TOOL CO
WEAVER MFG DIV

JACKS, Portable, Air

Automotive Equipment Mfg Co
AUTO SPECIALTIES MFG CO INC
BARRETT EQUIPMENT CO
Bay Mfg Div
BEAR MFG CO
BLACKHAWK AUTOMOTIVE DIV
BRANICK MFG CO INC
CHICAGO PNEUMATIC TOOL CO
HEIN-WERNER CORP
Highland Mfg Co
HUNTER ENGRG CO
Joyce-Cridland Co
Lewis-Shepard Products Inc
Lug-All Co
Sav-T-Engineering Co
SNAP-ON TOOLS CORP
Stratton Equipment Co
Tallyho Mfg Co
Walker Mfg Co
WATERVLIET TOOL CO
WEAVER MFG DIV

JIGS, CONNECTING ROD ALIGNING *See Connecting Rod Aligning Jigs*
JIGS, RING GEAR RIVETING *See Ring Gear Riveting Jig*
JOINTS, UNIVERSAL *See Universal Joints*
KEYS, VALVE STEM *See Valve Stem Keys*
KING PINS *See Front End Suspension Parts*
KING PINS, TRAILER *See Fifth Wheels*
LACQUERS *See Paints*

LAMPS

LAMP BULBS, Miniature

AC SPARK PLUG DIV
BOSCH CORP ROBERT
Eagle Electric Mfg Co Inc
FORD DIV FORD MOTOR CO
GENERAL ELECTRIC CO MINIATURE LAMP DEPT
MOBIL OIL CO
MOPAR DIV CHRYSLER CORP
Power Brake Equipment Co
Sylvania Electric Products Inc Lighting Div
TUNG-SOL ELECTRIC INC
UNION CARBIDE CONSUMER PRODUCTS CO DIV
Westinghouse Electric Corp Lamp Div

LAMPS, Back-Up, Clearance, Dome, Tail, Parking & Stop

A C SPARK PLUG DIV
ANTHES DIV
Apco Mossberg Co
ARROW SAFETY DEVICE CO

● More details? Circle 165 on reply card inside back cover——→

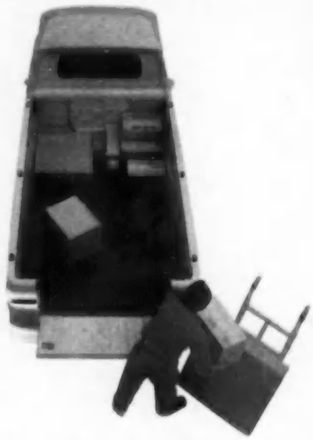
NEW FROM CHEVROLET

★★★★★★★★★★★★★★★★★★★★★★★★★★

!!! WING-DING OF A TRUCK IDEA !!!

★ NEW LOADSIDE PICKUP

More load space than conventional half-tonners! • Full-width pickup box gives 80 cubic feet of load space! • Big 1,900-lb. cargoes, with trim 4,600-lb. GVW • Deep-well cargo area midship for tall, bulky loads • Low 14" floor height saves work when loading • Optional (extra cost) flat floor gives 39 sq. ft. of flat loading area, plus cargo-stowing area underneath! • Sturdy integral body-frame design • Independent 4-wheel suspension • Short wheelbase and turning radius for easy handling and parking



★★★★★★★★★★★★★★★★★★★★★★★★

★ NEW CORVAN

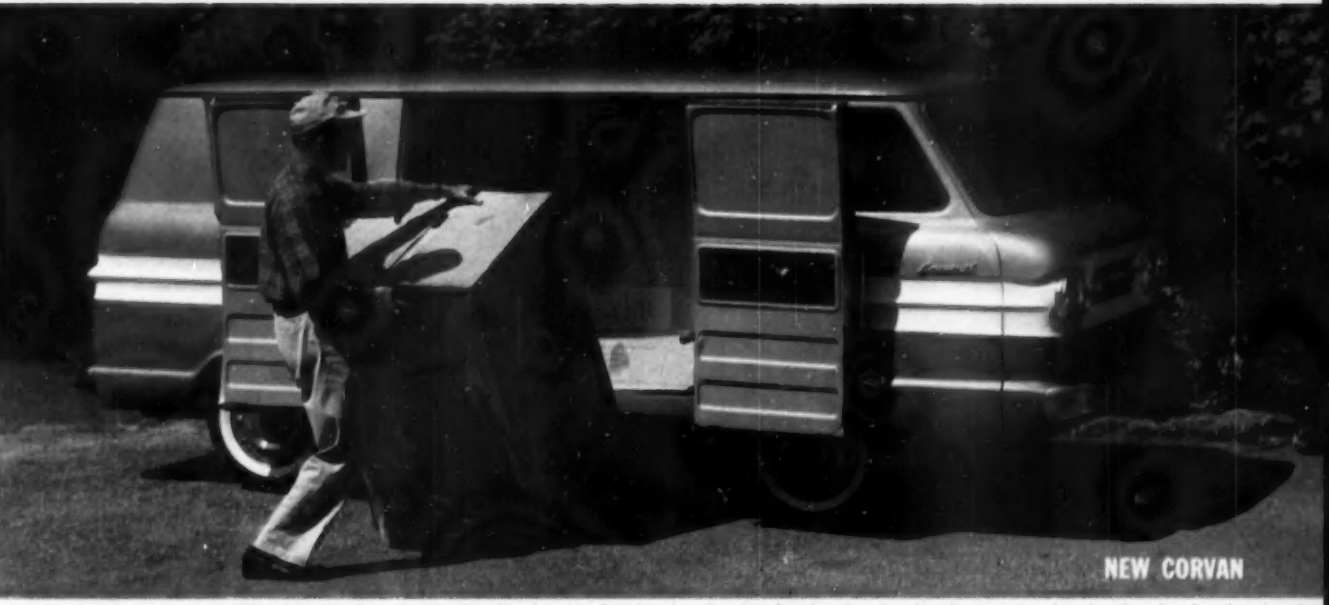
Worlds of load space—109" long, 60" wide and 54" high at center! • High 1,800-lb. payload capacity! • *Big* double doors that open so wide you can load a 4' x 4' crate with ease (right-side doors standard, left-side doors optional at extra cost). • Wide-opening double rear doors! • Easiest loading—low 14" loading height . . . door stops that hold doors open at 100- and 180-degree angles • High interior height for convenient cargo handling • Snappy styling—high, wide side panels that allow plenty of space for your advertising.

★★★★★★★★★★★★★★★★★★★★★★★★

★ NEW RAMPSIDE PICKUP

No-lift loading—exclusive Corvair 95 Rampside pickup feature! • Wide, ruggedly built side gate drops down to form a convenient ramp for easy, no-lift loading! • When closed, ramp fits flush with body side; and it's safety-latched to stay tight and rattle-free • 80 cubic feet of load space in big pickup box! • Flat floor, optional at extra cost, gives 39 sq. ft. of flat loading area • *Low* loading height! • Comfortable cab!

NEW CORVAIR 95 LOADSIDE



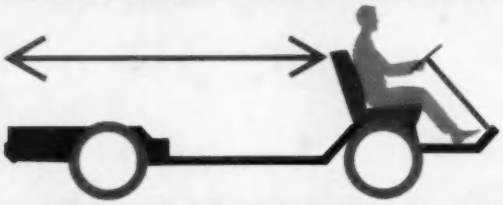
NEW CORVAN

NEW CORVAIR 95 RAMPSIDE

DRIVER'S UP FRONT

★★★★★★★★★★★★★★★★

!! ENGINE'S IN THE REAR !!



ALL THE REST IS LOAD SPACE

What you see here is not merely a new truck model . . . *it's a new kind of truck.* An efficient truck design that gives you many more feet of load space than a conventional half-tonner because of a unique build that eliminates the hood. A design that puts out new working efficiency by putting the engine and transmission in the rear. (Of a Corvair 95's short 15-foot length, *nearly 9 feet is for cargo!*) Here's a truck weight that's distributed *evenly,* front and rear, to enable a Corvair 95 to carry up to 1,900 lbs. of payload with a trim 4,600-lb. GVW. Here's a short 95-inch wheelbase that pays off in easy, nimble maneuvering.

Dollar-saving performance starts with the engine—an air-cooled space-saving "pancake" 6 that never needs antifreeze or radiator repairs . . . and never stops whittling down fuel costs! Ideally suited for trouble-free truck duty, also, is the tough chassis build of Corvair 95, which includes frame and body designed as a rugged one-piece unit to withstand slam-bang runs. And there's *4-wheel independent suspension* (first time in a U.S. truck!) to add stability to truck performance and to take the roughness out of road surfaces.

The list of Corvair 95 design advantages is as long as your arm. There's *low* loading height, for example: load space so accessible that the truck practically loads and unloads itself! And there's exceptional driver comfort in the roomy cab. (With no hood projecting out in front, visibility has never been better.)

It's a wing-ding of a truck idea—a big Chevy "first," available in pickup and panel body versions. Look 'em over right here.

NEW !!!! CHEVROLET CORVAIR 95 TRUCKS

They're the *newest* load-pullers since horses went out of style! The most efficiently designed trucks you've ever seen, loaded with scores of new advantages, such as these:

ECONOMY OF AN AIR-COOLED REAR ENGINE—the aluminum Turbo-Air 6. No antifreeze to buy; no radiator repairs to worry about. Fast warm-up keeps fuel costs down. And when you need a burst of speed, this one really skedaddles!

EASY TRACTION WHEN RUNNING EMPTY. Snowy or mud-clogged routes pose no problem for Corvair 95. This new design puts engine weight in the rear, for deep-biting traction that gets you through.

UNIPACK FOR FAST, EASY SERVICING. Engine, transmission and rear axle are combined in one strong, efficient unit. A space-saving package that can be removed in minutes to speed up service, reduce downtime. Convenient access panels make routine maintenance easier.

MORE LOAD SPACE, LESS ROAD SPACE. With nearly 2 feet less overall length, a Corvair 95 eases into tight spots like no conventional half-tonner can. But Corvair 95's carry bigger cargoes—nearly two-thirds of the length is for load space!

RUGGED UNITIZED BODY-FRAME CONSTRUCTION. Tough, integral floor-frame assembly reduces truck weight, helps provide low loading height. Welded all-steel front, side and roof panels add more strength. Corvair 95's are built to last!

LESS TRUCK WEIGHT ALLOWS MORE CARGO WEIGHT. Corvair 95's weigh up to 1,200 lbs. less than corresponding conventional models. Yet they'll carry 1,900 lbs. of cargo!

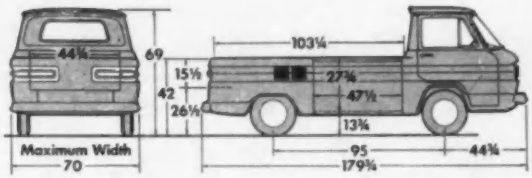
BALANCED 50-50 WEIGHT DISTRIBUTION. Load space located midship results in big cargo-carrying capacity. Husky 2,500-lb.-capacity front and rear suspensions carry nearly equal loads to reduce strain on chassis and tires.

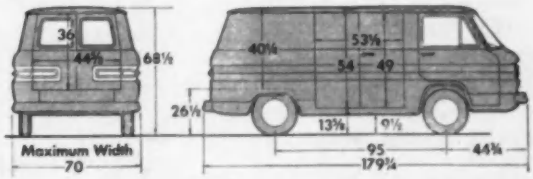
SMOOTH INDEPENDENT 4-WHEEL SUSPENSION. Smooth sailing on bumpy streets results from balanced friction-free coil springs at all four wheels. Independent wheel action adds to handling ease. A sturdy suspension that withstands any duty!

SHORT WHEELBASE MANEUVERABILITY. Corvair 95's are easiest to get around in. Turning radius (under 20 feet) is less than that of ordinary trucks. That means easier maneuvering and parking, faster hauls in congested areas.

EASIEST TO LOAD. Exclusive Rampside pickup side gate drops down to make cargo loading a snap. Big Corvan side doors open so wide you can load 4′ x 4′ crates with ease. And Corvair 95 rear loading heights, low as those of conventional models, will save you work every time out.

And that's not the whole story, by any means. There's rugged *truck-built* construction that shows up best when the going's worst . . . snappy styling with high, wide side panels that allow plenty of space for advertising . . . and much, much more. Visit your nearby Chevrolet dealer soon and get all the details. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.





1961 CHEVROLET STURDI-BILT TRUCKS

CHEVROLET

← ● More details? Circle 166 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on page 236

LAMPS, DRYING TO

LAMPS, TROUBLE

LAMPS, Clearance, Dome—*continued*

AUTO LAMP MFG CO
Berg Mfg & Sales Co
BETTS MACHINE CO
Bolser Corp
BOSCH CORP ROBERT
Burgess Battery Co
Columbus Metal Products Co
DIETZ CO R E
DO-RAY LAMP CO
ELECTRIC AUTOLITE CO
Electric Service Works Delta Star Electric Div
Electroline Mfg Co
FORD DIV FORD MOTOR CO
GENERAL ELECTRIC CO MINIATURE LAMP DEPT
GRIFFIN LAMP CO
GROTE MFG CO
GUIDE LAMP DIV
Hall Lamp Co C M
Holan Corp
Hollywood Accessories Inc
K-D LAMP CO
KING BEE MFG CO
Loock & Co R J
Miro-Flex Co
MOPAR DIV CHRYSLER CORP
Norlipp Co
Perfection Automotive Products Corp
Peterson Mfg Co
Robbins Light Mfg Corp
S & M Lamp Co
SIGNAL-STAT CORP
SPARTON AUTOMOTIVE DIV
Speaker Corp J W
Tradewind Ind Inc
Trippe Mfg Co
Tung-Sol Electric Inc
U S Metal Products Co
UNION CARBIDE CONSUMER PRODUCTS CO DIV
UNITED MOTORS SERVICE
Unity Mfg Co
Waag Enterprises
Wheel Parts & Mfg Co
Westinghouse Electric Co Lamp Div
YANKEE METAL PRODUCTS CORP

LAMPS, Drying, Baking & Heating

Binks Mfg Co
DE VILBISS CO
Fostoria Corp
Fostoria Pressed Steel Corp
GENERAL ELECTRIC CO MINIATURE LAMP DEPT
Trippe Mfg Co
Westinghouse Electric Corp Lamp Div

LAMPS, Fog & Spot

A C SPARK PLUG DIV
ARROW SAFETY DEVICE CO
AUTO LAMP MFG CO
BOSCH CORP ROBERT
Busch & Co A G
Casco Products Corp
Columbus Metal Products Inc
DIETZ CO R E
DO-RAY LAMP CO
ELECTRIC AUTOLITE CO
Electric Service Mfg Co
FORD DIV FORD MOTOR CO
GENERAL ELECTRIC CO MINIATURE LAMP DEPT
GRIFFIN LAMP CO
GROTE MFG CO
GUIDE LAMP DIV
Hall Lamp Co C M
K-D LAMP CO
King Bee Mfg Co
MOPAR DIV CHRYSLER CORP
Perfection Automotive Products Corp
Peterson Mfg Co
SIGNAL-STAT CORP
S & M Lamp Co
SPARTON AUTOMOTIVE DIV
Speaker Corp J W
TUNG-SOL ELECTRIC INC
UNION CARBIDE CONSUMER PRODUCTS CO DIV
Unity Mfg Co
Westinghouse Electric Corp Lamp Div
YANKEE METAL PRODUCTS CORP

LAMPS, Sealed Beam Units

A C SPARK PLUG DIV
Bolser Corp
DO-RAY LAMP CO INC
Electro Mechanical Products Co
FORD DIV FORD MOTOR CO
GENERAL ELECTRIC CO MINIATURE LAMP DEPT
GUIDE LAMP DIV
Hall Lamp Co C M
K-D LAMP CO
MOPAR DIV CHRYSLER CORP
Peterson Mfg Co
Trippe Mfg Co
TUNG-SOL ELECTRIC INC
UNION CARBIDE CONSUMER PRODUCTS CO DIV
UNITED MOTORS SERVICE
Unity Mfg Co
Westinghouse Electric Corp Lamp Div

LAMPS, Sealed Beam (Heavy Duty)

GENERAL ELECTRIC CO MINIATURE LAMP DEPT
TUNG-SOL ELECTRIC INC
Westinghouse Electric Corp Lamp Div

LAMPS, Tell-Tale

ARROW SAFETY DEVICE CO
Berg Mfg & Sales Co
Columbus Metal Products Inc
DIETZ CO R E
GENERAL ELECTRIC CO MINIATURE LAMP DEPT
K-D LAMP CO
SIGNAL-STAT CORP
S & M Lamp Co
Speaker Corp J W
Westinghouse Electric Corp Lamp Div

LAMPS, Trouble (Battery)

Arsco Mfg & Sales Co
AUTO LAMP MFG CO
Busch & Co A G
DIETZ CO R E
GENERAL ELECTRIC CO MINIATURE LAMP DEPT
General Electric Co Wiring Device Dept
Hollywood Accessories Inc
KING BEE MFG CO
Perfection Automotive Products Corp
Standard Portable Cord Co
TRIPLE-A SPECIALTY CO
U-C Lite Mfg Co
Unity Mfg Co
Westinghouse Electric Corporation
Whitaker Cable Corp

LAMPS, Trouble (Shop)

Accurate Products Inc
Advanced Mfg Inc
Aro Equipment Corp
Belden Mfg Co
CORDOMATIC DEPT C
Crescent Co
DIETZ CO R E
DO-RAY LAMP CO INC
Eagle Electric Mfg Co
Ferry Mfg Co
GENERAL ELECTRIC CO MINIATURE LAMP DEPT
Hopkins Mfg Co
Houser Engineering & Mfg Inc
Kliegl Bros Universal Electric Stage Lighting Co
Moffatt Products Inc
Pyle-National Co
Royal Electric Corp
Save Lamp Co
Standard Portable Cord Co
TRIPLE-A SPECIALTY CO
U-C Lite Mfg Co
Walker Bros
Westinghouse Electric Corp

for all the safety features every driver wants... see
Pathfinder
Headquarters for
TRUCK MIRRORS AND
REPLACEMENT TRUCK
MIRROR HEADS
NOW!
most Pathfinder truck mirrors
available with heavy-plate
Chrome Finish
for extra beauty and durability
Just off the press —
NEW FULL-COLOR CATALOG
of Pathfinder TRUCK
MIRROR and Replacement
Truck Mirror Heads.
Write today for your FREE COPY!
AUTO LAMP MANUFACTURING COMPANY
2909 S. Indiana Ave. • Chicago 16, Illinois

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

LAMPS, WARNING TO
LIFTS, VEHICLE

LAMPS, Warning (For Roof Mounting)

ARROW SAFETY DEVICE CO
Busch & Co A G
Columbus Metal Products Inc
DIETZ Co R E
DO-RAY LAMP CO
GENERAL ELECTRIC CO MINIATURE LAMP DEPT
GRIFFIN LAMP CO
GROTE MFG CO
GUIDE LAMP DIV
K-D LAMP CO
KING BEE MFG CO
Pyle-National Co
S & M Lamp Co
SIGNAL-STAT CORP
Speaker Corp J W
Trippe Mfg Co
U-C Lite Mfg Co
Unity Mfg Co
Westinghouse Electric Corporation
YANKEE METAL PRODUCTS CORP

LANDING GEARS (Trailer)

Austin Trailer Equipment Co
BINKLEY CO
BOYERTOWN AUTO BODY WORKS
DAYTON STEEL FOUNDRY
FRUEHAUF TRAILER CO
HIGHWAY TRAILER CO
Holland Hitch Co
HOMAN & CO INC
Spencer-Safford Loadcraft Inc
Standard Carriage Wks Inc

LATHES, Bench

Atlas Press Co
Rivett Lathe & Grinder Inc
Sheldon Machine Co
SNAP-ON TOOLS CORP
South Bend Lathe Inc
Frank N Wood Co

LATHES, BRAKE DRUM *See Brake Drum Lathes*

LEAF SPRINGS *See Springs, Leaf*

LEASING COMPANIES (Nationwide)

Berman Service Inc
DIVCO TRUCK DIV
HERTZ RENTAL SYSTEM
Ryder Truck Rental Div

LETTERING MASKS *See Stencils*

LEVERS, PARKING BRAKE *See Brake Levers, Parking*

LIFT TRUCKS, Gasoline

Allis-Chalmers Mfg Co Engine Material Handling Div
American Pulley Co
American Road Equipment Co
Automatic Transportation Co Div
Baker Industrial Truck Div
Clark Equipment Co Industrial Truck Div
Cushman Motor Works Inc
Elwell-Parker Electric Co The
Erickson Power Lift Trucks Inc
Ford Motor Co Tractor & Implement Div
Gerlinger Carrier Co
Getman Bros Mfg Div
"H H" Mfrs
Howell Industrial Device Co
Hyster Co
Kwik-Mix Co
Lewis-Shepard Products Inc
Minneapolis-Moline Co
Ottawa Steel Div
Peterbilt Motors Inc
Pettibone Mulliken Corp
Silent Hoist & Crane Co
Towmotor Corp
Transitier Truck Co
Yale Materials Handling Div

LIFT TRUCKS, Diesel

Baker Industrial Trucks Div
Caterpillar Tractor Co
Clark Equipment Co Industrial Truck Div
Ford Motor Co Tractor & Implement Div
Hyster Co
Lewis-Shepard Products Inc
Minneapolis-Moline Co
Silent Hoist & Crane Co
Towmotor Corp
Transitier Truck Co
Yale Materials Handling Div

LIFT TRUCKS, Electric

Automatic Transportation Co
Baker Industrial Trucks Div
Barrett-Cravens Co
Big Joe Mfg Co
Clark Equipment Co Industrial Truck Div
Economy Engrg Co
Elwell-Parker Electric Co
The Heifred Corp
Howell Industrial Device Co
Langley Mfg Co Inc
Lewis-Shepard Products Inc
Lift Trucks Inc
Minneapolis-Moline Co
Moto-Truc Co
Pettibone Mulliken Corp
Raymond Corp
Revolvator Co
Stratton Equipment Co

LIFT TRUCKS, LP Gas

Allis-Chalmers Mfg Co Engine Material Handling Div
Bay Mfg Div
Elwell-Parker Electric Co
Pettibone Mulliken Corp
Towmotor Corp

LIFT TRUCKS, Straddle

Barrett-Cravens Co
Travelift & Engr Co of Sturgeon Bay
Young Spring & Wire Corp Ottawa Steel Div

LIFT TRUCK PARTS
(Advertiser Only)

FORKLIFT PARTS MFG CO

LIFTS, PORTABLE ONE END *See Jacks, Portable Air*

LIFTS, PORTABLE *See Jacks, Portable Air*

LIFTS, TRANSMISSON *See Jacks, Transmission*

LIFTS, Vehicle Electric

BLACKHAWK AUTOMOTIVE DIV
Collins & Associates Inc
Joyce-Cridland Co
Lewis-Shepard Products Inc
Unit Mfg Co
United States Air Compressor Co
Wisconsin Hydraulics Inc

LIFTS, Vehicle, Hydraulic

Autoquip Corp
AUTO SPECIALTIES MFG CO
BARRETT EQUIPMENT CO
BEAR MFG CO
BLACKHAWK MFG CO
Collins & Associates Inc
Curtis Mfg Co
Galion Allsteel Body Co
Gilbert & Barker Mfg Co
Hercules Steel Products Co
Joyce-Cridland Co
Lewis-Shepard Products Inc
National Automotive Mfg & Engrg Corp
Rotary Lift Co
Unit Mfg Co
WATERVLIET TOOL CO
WEAVER MFG DIV
Wisconsin Hydraulics Inc
Wilson Inc K R

LIGHT SWITCHES *See Switches*

LIGHTS, TIMING *See Timing Lights*

LINERS, CYLINDER *See Cylinder Liners*

LININGS, BRAKE *See Brake Linings*

LINKS, SHOCK ABSORBER *See Shock Absorber Links*

LINKS, TIRE CHAIN REPAIR *See Tire Chain Repair Links*

LIQUID LEVEL GAGES, STORAGE TANK *See Tank Gages*

LOAD BINDERS *See Tie-Downs, Cargo*

LOADERS, FRONT END (CONSTRUCTION & OFF-HIGHWAY) *See Front End Loaders*

LOADERS, TAILGATE *See Tailgates, Elevating*

LOCKERS *See Cabinets*

LOCK NUTS *See Nuts, Self-Locking*

There is Only One
Aero-Seal JET
WORM DRIVE HOSE CLAMP
An original product design will always be copied, but the genuine article keeps the confidence of the user by dependability.
AERO-SEALS laugh at vibration and corrosion . . . hang on tightly . . . never shake loose or snap open.
And they won't damage hose. Bands and housings are of 302-18-8 stainless steel. No extra cost for quick-attach Jets.
Regular AERO-SEALS are also available.
Complete range of sizes from 7/16" up.
Aero-Seal HOSE CLAMPS
BREEZE MARK
BREEZE CORPORATIONS, INC.
700 Liberty Avenue, Union, New Jersey
Cable Address: Breeze, Union, N. J.

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

LUBRICATORS TO OIL & LUBRICANTS

LOCKS, BRAKE (HILL HOLDING) *See Brake Locks*

LOCKS, IGNITION *See Switches, Ignition*

LOCKS, TRAILER *See Trailer Locks*

LOOM, TUBING *See Tubing Loom*

LP GAS *See Fuels*

LP GAS FILTERS *See Fuel Filters*

LUBRICANTS, *See Oils & Lubricants*

LUBRICANTS, TIRE *See Tire Lubricants*

LUBRICATING GRAPHITE *See Graphite Lubricant*

LUBRICATORS, Automatic (Vehicle Mounted)

Alemite Div
Automotive & Marine Products Corp
LINCOLN ENGINEERING CO
Walker Mfg Co

LUBRICATORS, Manual

Alemite Div
Aro Equipment Corp
Balcrank Inc
Beeson-Reichert Inc
BENNETT PUMP DIV
Cleco Air Tools Div
DE VILBISS CO
Gilbert & Barker Mfg Co
GRAY CO
Grayson Tool Co
LINCOLN ENGINEERING CO
Lubrication Engineers Inc
Plews Oiler Inc
Superior Mfg Co
Templeton Co The
Universal Lubricating Systems Inc

LUBRICATORS, Pressure Type

Alemite Div
Aro Equipment Corp
Binks Mfg Co
Balcrank Inc
Carlson Products Inc
GRAY CO
Jiffy Lubricator Co
LINCOLN ENGINEERING CO
Manzel Unit
Oakite Products Inc
United States Air Compressor Co
Universal Lubricating Systems Inc
Wilson Inc K R

LUBRICATORS, Upper Cylinder

Castoleum Corp The
Hollingshead Corp R M
PENNZOIL-SOUTH PENN OIL CO
Pyroil Co
So-Lo Jack Co
Universal Lubricating Systems Inc

MACHINES, ACCOUNTING *See Accounting Machines*

MACHINES, BABBITTING *See Babbitting Machines*

MACHINES BEARING ALIGN BORERS *See Bearing Align Borers*

MACHINES, BORING, PISTON PIN BUSHING *See Piston Pin Bushing Boring Machines*

MACHINES, BRAKE RELINING *See Brake Riveting Machines*

MACHINES, BRAKE TESTING *See Brake Testing Machines*

MACHINES, CLUTCH REBUILDING *See Clutch Rebuilding Machines*

MACHINES, CYLINDER BONDING *See Cylinder Bonding Machine*

MACHINES, FRONT END & AXLE ALIGNING *See Aligning Equipment (Front End)*

MACHINES, PISTON TURNING & GRINDING *See Piston Turning & Grinding Machine*

MAGNAFLUX TESTERS *See Magnetic Inspection Equipment*

MAGNESIUM ALLOYS

Belmont Smelting & Refining Works
Brooks & Perkins Inc
Dow Chemical Co
Federated Metals Div
Vanadium Corp of America

MAGNETIC DRAIN PLUGS *See Drain Plugs, Magnetic*

MAGNETIC INSPECTION EQUIPMENT

Circo Corp
MAGNAFLUX CORP
McQUAY-NORRIS MFG CO
Peterson Machine Tool Inc
Sperry Products Co
Turco Products Inc
U S Casting Repair Corp

MAGNETOS

American Bosch Div
BOSCH CORP ROBERT
Fairbanks Morse & Co Magneto Div
Scintilla Magneto Div
Wico Ignition Div

MANIFOLDS, Intake & Exhaust

Almquist Engrg Co
CONTINENTAL MOTORS CORP
Detroit Gasket & Mfg Co
Edelbrock Equipment & Co
FORD DIV FORD MOTOR CO
International Parts Corp
MOPAR DIV CHRYSLER CORP
Power Brake Equipment Co
Weiand Power & Racing Equip

MASKING TAPE

American Tape Co
Behr-Manning Corp
Carborundum Co
Continental Tapes
Dutch Brand Div
Eastman Kodak Co
Hampton Mfg Co Industrial Tape Div
MARSON CORP
MINNESOTA MINING & MFG CO
Mystik Adhesive Products Inc
Permacel Tape Corp
Seamless Rubber Co
Servwell Products Co
SHERWIN-WILLIAMS CO

MASKS, LETTERING *See Stencils*

MASTER CYLINDERS *See Brake Hydraulic Systems & Parts*

METALIZING EQUIPMENT

Albertson & Co
Colmonoy Div
Metallizing Engineering Co

METERS, AIR TOWER, AUTOMATIC *See Tire Inflator*

METERS, BRAKE TESTING *See Brake Testing Machines*

METERS, EXHAUST SMOKE *See Exhaust Smoke Meters*

METERS, Engine Hour

Argo Instruments Corp
ENGLER INSTRUMENT CO
Hobbs Corp John W

METERS, Oil Condition

Gerin Corp

MICA UNDERCUTTERS *See Undercutters, Mica*

MICROMETERS

AMMCO TOOLS INC
BARRETT EQUIPMENT CO
Brown & Sharpe Mfg Co
Central Tool Co
Chicago Dial Indicator Co
Chicago Tool & Kit Mfg Co
Keystone Reamer & Tool Co
Lufkin Rule Co
McQUAY-NORRIS MFG CO
Millers Falls Co
National Acme Co
Rottler Boring Bar Co
Sheffield Corp
Simpson Electric Co
SNAP-ON TOOLS CORP
SPARTON AUTOMOTIVE DIV
Standard Gage Co
Swedish Gage Co of America
Tubular Micrometer Co

MICROWAVE RADIO *See Radios, Two-Way*

MILEAGE TESTERS *See Testers Fuel Mileage*

MIRRORS, Bus Panel

ACME SPECIALTY MFG CO
ANTHES DIV
ARROW SAFETY DEVICE CO
AUTO LAMP MFG CO
Detroit Products Co
DIETZ CO R E
DO-RAY LAMP CO INC
K-D LAMP CO
King Bee Manufacturing Co
Mirror-Tech Mfg Co
Perfection Automotive Products Co
S & M Lamp Co
Standard Mirror Co
YANKEE METAL PRODUCTS CORP

MIRRORS, Rear View

American Automatic Devices Co
ANTHES DIV
ARROW SAFETY DEVICES CO
AUTO LAMP MFG CO
Bolser Corp
Casco Products Corp
Cole Automotive Products Co
Columbus Metal Products Inc
"Defrosto" Mirrors Inc
Detroit Products Co
DIETZ CO R E
DO-RAY LAMP CO
Electric Service Mfg Co
FORD DIV FORD MOTOR CO
Griffin Lamp Co
GROTE MFG CO
GUIDE LAMP DIV
Hall Lamp Co C M
K-D LAMP CO
KING BEE MFG CO
Miro-Flex Co Inc
Mirror-Tech Mfg Co
MOPAR DIV CHRYSLER CORP
Perfection Automotive Products Corp
Peterson Mfg Co
Power Brake Parts Mfg Co
Royal Engineering Co
S & M Lamp Co
SPARTON AUTOMOTIVE DIV
Speaker Corp J W
Standard Mirror Co
Supersite Corp
Trippe Mfg Co
Unity Mfg Co
Velvac Inc
YANKEE METAL PRODUCTS CORP

MOLDS, TIRE RECAPPING & RETREADING *See Tire Recapping Equipment*

MONORAIL CRANES *See Cranes, Monorail*

MOUNTINGS, Insulated Rubber

Anchor Rubber Products Div
Bushings Inc
Champ-Items Inc
Clevite Harris Products Inc
Continental Rubber Works
Doan Mfg Div
Ertel Products Co Repl Div
FIRESTONE TIRE & RUBBER CO
GENERAL TIRE & RUBBER CO INDUSTRIAL PRODUCTS DIV
Goodrich Industrial Products Co B F
Globe Rubber Products Corp
Inland Mfg Div
Jambor Tool & Stamping Co
Looch & Co R J
Ohio Rubber Co
Perfect Parts Inc
Preferred Electric and Wire Co
Raybestos-Manhattan Inc Equip Sales Div
Standard Products Co
Transit Parts Co
UNITED STATES RUBBER CO
Wheel Parts & Mfg Co
WOHLERT CORP

MUD FLAPS *See Splash Guards*

MUFFLERS, Exhaust

AP Parts Corp
ALEXANDER-TAGG INDUSTRIES INC
American Metal Products Co
Arvin Industries Inc
Donaldson Co Inc
Douglas Muffler Mfg Corp
FORD DIV FORD MOTOR CO
Grand Automotive Prods
Hayes Industries Inc
International Parts Corp
McCord Corp
MacKenzie Muffler Co
Maremont Muffler Div
MOPAR DIV CHRYSLER CORP
Oxy-Catalist Inc
Powell Muffler Co
Pratt Muffler Div
RIKER MFG INC
Saco-Lowell Automotive Div
Stemco Mfg Co
TECH INDUSTRIES
Universal Oil Products Co
Walker Mfg Co

MUFFLER GUARDS

ALEXANDER TAGG INDUSTRIES INC
Industrial Steel Tank & Body Works
Jenson and Mitchell Inc
RIKER MFG INC
Walker Mfg Co

MUFFLER TOOLS

AP Parts Corp
Clamps Inc
Power Master Sales Co

NOZZLES, Air

Acme Air Appliances Co
Aero-Motive Mfg Co
Aro Equipment Corp
Balcrank Inc
Binks Mfg Co
Bridgeport Brass Co
Champion Pneumatic Machinery Co
Cleco Air Tools Div
DE VILBISS CO THE
Diamond-U Products
Dutton Lainson Co Mfg Div
Electric Sprayit Div
HANSEN MFG CO
IMPERIAL BRASS MFG CO
Lincoln Engineering Co
National Machine & Tool Co
SCHRADER'S SON DIV A
Sharpe Mfg Co
Thor Power Tool Co
Universal Lubricating Systems Inc
WEATHERHEAD CO FORT WAYNE DIV

NUTS, Self-Locking

Accurate Products Inc
Allen Mfg Co
American Sealants Co (chemical sealer)
Automatic Nut Corp
Carr Fastener Corp
Champ-Items Inc
Chase Brass & Copper Co
DORMAN PRODUCTS INC
EATON MFG CO
Elastic Stop Nut Corp of America
Greer Stop Nut Co
IMPERIAL BRASS MFG CO
LAMSON & SESSIONS CO
MacLean-Fogg Lock Nut Co
National Machine Products Co
National Screw & Mfg Co
Nylok Corp
Reliance Spring Washer Div
REPUBLIC STEEL CORP
SKF Industries Inc
Security Locknut Corp
Shakeproof Div
SOUTHCO DIV
Standard Locknut & Lockwasher Co
Standard Pressed Steel Co
Tinnerman Products Inc
TOWNSEND CO
Transit Parts Co
United-Carr Fastener Corp
United Screw & Bolt Corp
Wood & Spencer Co

ODOMETERS

Barbour-Stockwell Instruments Div
KING-SEELEY CORP
STEWART-WARNER CORP INSTRUMENT DIV
United States Taximeter Co
Veeder-Root Inc

OIL & LUBRICANTS

Alpha-Molykote Corp
AMALIE DIV
American Grease Stick Co
AMERICAN OIL CO
Ashland Oil Refining Co
Atlantic Refining Co
Bardahl International Corp
Bell Co Inc
BOSCH CORP ROBERT
California Oil Co
Castoleum Corp The
Cities Service Oil Co
CLARK EQUIPMENT CO
CLIMAX MOLYBDENUM CO
Continental Oil Co
Daubert Chemical Co
Dow Chemical Co
D-X Sunray Oil Co

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

OIL ANALYSIS KITS TO OIL LINES

OIL & LUBRICANTS—*cont'd*

ELCO LUBRICANT CORP
Emerol Mfg Co
Engine Accessories Mfg Co
ESSO STANDARD DIV
FORD DIV FORD MOTOR CO
Freedom-Volvoline Oil Co
GULF OIL CORP
Hollingshead Corp R M
Houghton & Co E F
Imperial Oil & Grease Co
International Metal Polish Co Inc
Kano Laboratories
KENDALL REFINING CO
LEHIGH CHEMICAL CO
Lion Oil Co
Lubrication Engineers Inc
LUBRIPLATE DIV
MacMillan Petroleum Corp
MARSON CORP
Micro Lube Sales
Mid-Continent Petroleum Corp
Miracle Power Products Corp
MOBIL OIL CO
Moly Motor Products Corp
MOPAR DIV CHRYSLER CORP
Ohio Oil Co
Pennsylvania Refining Co
PENNZOIL-SOUTH PENN OIL CO
PERMATEX COMPANY INC
PHILLIPS PETROLEUM CO
PURE OIL CO
Quaker State Oil Refining Co
RAYBESTOS DIV
Reardon Products
Service Supply Co
SHELL OIL CO
SINCLAIR REFINING CO
SOCONY-MOBIL OIL CO INC
SPRAY PRODUCTS CORP
STANDARD OIL CO OF CALIFORNIA
STANDARD OIL CO OF IND
STANDARD OIL CO OF TEXAS
Sun Oil Co
TEXACO INC
Tide Water Associated Oil Co
Tumbler Laboratories Inc J A
Union Oil Co of Calif
Valvoline Oil Co
Warren Refining & Chemical Co
Waverly Petroleum Products Co
White & Bagley Co
Wolf's Head Oil Refining Co

OIL ADDITIVES *See Additives, Fuel & Oil*

OIL ANALYSIS KITS

Gerin Corp
Hopkins Mfg Corp
Lengor Inc
MOBIL OIL CO
SHELL OIL CO

OIL COOLERS

American Standard Industrial Div
G & O Mfg Co
General Radiator Co
HARRISON RADIATOR DIV
Kewanee-Ross Corp
Perfex Corp
Yates-American Machine Co
Young Radiator Co

OIL DRAINERS

Berg-Gibson Mfg Co
Choldun Mfg Corp
Lastro Inc
Quick Charge Inc

OIL FILLER CAPS

A C SPARK PLUG DIV
Accurate Products Inc
Badger Mfg Corp
Berkson Products Inc
Dole Valve Co
DORMAN PRODUCTS
Eaton Mfg Co Stamping Div
FORD DIV FORD MOTOR CO
MOPAR DIV CHRYSLER CORP
STANT MFG CO
Wayne Metalcraft Div
WOHLERT CORP

OIL FILTERS

AC SPARK PLUG ELECTRONICS DIV
Air-Maze Corp
Baldwin Mfg Co JA
Bendix-Skinner Div
Bolser Corp
Briggs Filtration Co
CAV Div
Canadian and General Development Corp
Champion Laboratories Inc
Commercial Filters Corp
Continental Mfg Corp
Cuno Engrg Corp
CYCLONE FILTER CORP
De Luxe Products Corp
Electro-Refiner Corp
Engine Accessories Mfg Co
FORD DIV FORD MOTOR CO
FRAM CORP
GOULD-NATIONAL BATTERIES INC
HASTINGS MFG CO
Hilliard Corp
Indiana Commercial Filters Corp
International Refinol Co
Lavin Machine & Mfg Works A M
Lee Filter Corp
LUBER-FINER INC
MOBIL OIL CO
MOPAR DIV CHRYSLER CORP
Purolator Products Inc
W G B Oil Clarifier Inc
Walker Mfg Co
White Machine Works
Winslow Engrg & Mfg Co
WIX CORP

OIL FILTER CARTRIDGES

AC SPARK PLUG ELECTRONICS DIV
Bowes "Seal Fast" Corp
Campbell Filter & Mfg Co
Champion Laboratories Inc
CYCLONE FILTER CORP
DeLuxe Products Corp
Engine Accessories Mfg Co
Filters Inc
FORD DIV FORD MOTOR CO
FRAM CORP
HASTINGS MFG CO
Hutchens Industries Inc
Jenson & Mitchell Inc
LUBER-FINER INC
MOBIL OIL CO
MOPAR DIV CHRYSLER CORP
Purolator Products Inc
REFILL FILTER CO
W B G Oil Clarifier Co
Walker Mfg Co
Winslow Engineering Co
WIX CORP

OIL FILTERS, Transmission

Air-Maze Corp
Baldwin Mfg Co J A
FRAM CORP
FULLER MFG CO TRANSMISSION DIV
Hilliard Corp Purifier Div
Purolator Products Inc
WGB Oil Clarifier Inc
Walker Mfg Co
WIX CORP

OIL LEVEL GAGES

Boston Auto Gages Co
ELECTRIC AUTOLITE CO
Rochester Mfg Co
STEWART-WARNER CORP INSTRUMENT DIV
Sure Gauge & Lock Co
Trico Fuse Mfg Co

OIL LINES, Flexible

AC SPARK PLUG DIV
Chase Brass & Copper Co
DORMAN PRODUCTS INC
Edelmann & Co E
Everhot Products Co
Fawick Brake Div
FRAM CORP
IMPERIAL BRASS MFG CO
Penn Brass & Copper Co
WGB Oil Clarifier Inc
Walker Mfg Co
WEATHERHEAD CO FT WAYNE DIV
WIX CORP
WOHLERT CORP

PDQ by White is the world's newest multi-stop truck, now being demonstrated throughout USA. It is new in every way, including its smart (and lasting) KEM TRANSPORT ENAMEL Exterior.

New *PDQ* by White demonstrates KEM® TRANSPORT ENAMEL

(. . . and inside, Sherwin-Williams Multi-Color)

The White Motor Company is noted as a quality builder of trucks. It is now introducing its new PDQ multi-stop truck, using KEM TRANSPORT ENAMEL for exteriors, Sherwin-Williams MULTI-COLOR for interiors.

Known as "custom-designers" of trucks, White makes "quality" its big selling feature. In addition to its fine appearance, KEM TRANSPORT ENAMEL is mighty practical for truck operators.

It dries fast (meaning minimum lay-up time).

It wears long (meaning maximum service life).

It applies easily (meaning it can be put on even under unfavorable climatic conditions *without* wrinkling, slow drying or poor gloss).

White is one of many leading builders and operators of national fleets taking advantage of these superior finishes. For complete facts, call your nearest Sherwin-Williams OK Automotive Jobber or write The Sherwin-Williams Co., Automotive Division, Cleveland 1, Ohio, or Montreal, Canada. (Export Division, Newark 1, N. J.)

SHERWIN-WILLIAMS

AUTOMOTIVE FINISHES

 ● More details? Circle 169 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

OIL PRESSURE GAGES TO PAINTS, ENAMEL

OIL PRESSURE GAGES

AC SPARK PLUG ELECTRONICS DIV
Accurate Products Inc
DORMAN PRODUCTS INC
ELECTRIC AUTOLITE CO
FRAM CORP
KENT-MOORE ORGANIZATION INC
KING-SEELEY CORP
Rochester Mfg Co
SNAP-ON TOOLS CORP
STEWART-WARNER CORP INSTRUMENT DIV
SUN ELECTRIC CORP
United States Gauge Div
WOHLERT CORP
WEATHERHEAD CO FORT WAYNE DIV

OIL PUMPS

Accurate Products Inc
BENNETT PUMP DIV
Eaton Mfg Co Pump Div
Elgin Machine Works Inc
Jambor Tool & Stamping Co
Lipman Pump Works
McCord Corp
Melling Tool Co
Schwitzer Corp
Sundstrand Machine Tool Co Hydraulic Div
Thompson Products Michigan Div Thompson-Ramo-Wooldridge Inc
Wheel Parts & Mfg Co
WOHLERT CORP

OIL RECLAIMERS

Burt Mfg Co
Hilliard Corp

OIL SEALS

(See Also Hub Oil Seals)

Acadia Div
Alloy Mfg Co
Atlas Asbestos Co
Booth Felt Co
Cartriseal Corp
CHICAGO RAWHIDE MFG CO
Continental Rubber Works
Copeland-Gibson Products Corp
Crane Packing Co
Fastex Div of Illinois Tool Works
FEDERAL-MOGUL SERVICE DIV
Felt Products Mfg Co
FITZGERALD MFG CO
Garlock Packing Co
Greene Tweed & Co
Houghton & Co E F
IMPERIAL BRASS MFG CO
International Packing Corp
JOHNS-MANVILLE
McCord Corp
Mechanex Corp
Michigan Leather Products Co
MOPAR DIV CHRYSLER CORP
Muskegon Piston Ring Co
NATIONAL SEAL DIV
Ohio Rubber Co
Pure Carbon Co
Ramsey Corp
Rennicks Co
Roberts Toledo Rubber Co
Sealol Corp
Standard Products Co
Standard Seal Co
Steel-Bronze Sealing Rings Co
Stemco Mfg Co
Transit Parts Co
Tri-Point Plastics Inc
Trostel Packings Ltd
Union Bearing Co
UNITED STATES RUBBER CO
Universal Oil-Seal Co
VICTOR MFG & GASKET CO

OIL SOLVENTS *See Cleaning Compounds & Solvents*

OIL STORAGE TANKS *See Tanks, Fuel & Oil Storage*

OPENERS, BUS DOOR *See Bus Door Motors*

O-RING SEAL *See Oil Seals*

OSCILLOSCOPES

BEAR MFG CO
ELECTRIC AUTOLITE CO
Empire Electronics Inc
Fox Co Thomas T Electronic & Machine Div
Heyer Industries Inc
SNAP-ON TOOLS CORP
SUN ELECTRIC CORP
Weidenhoff Inc Joseph

OVERHEAD DOORS *See Doors*

OXYGEN GAS

Air Reduction Sales Co
Burdett Oxygen Co of Cleveland Inc
Linde Co
Liquid Carbonic Div
National Cylinder Gas Div

PACKERS, BEARING *See Bearing Packers*

PADS, PEDAL *See Pedal Pads*

PAINT

PAINTS, Acid-Resisting

Acme Quality Paints Inc
Day & Co James B
DITZLER COLOR DIV
DU PONT DE NEMOURS & CO E I FINISHES DIV
Gates Engineering Co
Glidden Co
MAGNUS CHEMICAL CO INC
MOBIL OIL CO
Pittsburgh Plate Glass Co Paint Div
Speco Inc
Wilbur & Williams Co Inc
SHERWIN-WILLIAMS CO

PAINTS, Alkali-Resisting

Acme Quality Paints Inc
Day & Co James B
DITZLER COLOR DIV
DU PONT DE NEMOURS & CO E I FINISHES DIV
Gates Engineering Co
Glidden Co
MAGNUS CHEMICAL CO INC
MOBIL OIL CO
Pittsburgh Plate Glass Co Paint Div
SHERWIN-WILLIAMS CO
Speco Inc
Wilbur & Williams Co Inc

PAINTS, Aluminum & Bronze

Acme Quality Paints Inc
Day & Co James B
DITZLER COLOR DIV
DU PONT DE NEMOURS & CO E I FINISHES DIV
Gates Engineering Co
Glidden Co
MAGNUS CHEMICAL CO INC
Miracle Power Products Corp
MOBIL OIL CO
Pittsburgh Plate Glass Co Paint Div
SHERWIN-WILLIAMS CO
Speco Inc
Wilbur & Williams Co Inc

PAINTS, Enamel

Acme Quality Paints Inc
Akron Paint & Varnish Co
American Lacquer Solvents Co
American Paint Co
American Varnish Co
Arco Co
Automotive Finishes Inc
Bruning Bros Inc
Day & Co James B
DITZLER COLOR DIV
DU PONT DE NEMOURS & CO E I FINISHES DIV
FORD DIV FORD MOTOR CO
Glidden Co
Hock Paints Inc
Horn Co A C Products Finishes Div
Illinois Bronze Powder Co
Interstate Enamel & Varnish Co
Krylon Inc
McDougall-Butler Co
MAGNUS CHEMICAL CO INC
Martin-Senour Co
Miracle Power Products Corp
MOBIL OIL CO
Modern Paint Co
Nason Products Div
Pittsburgh Plate Glass Co Paint Div
Plasti-Kote Inc
Pratt & Lambert Inc
Rinshed-Mason Co
SHERWIN-WILLIAMS CO

There's a Luber-finer Model

For Every Type of Engine For Every Type of Oil

STANDARD & OPTIONAL EQUIPMENT ON LEADING TRUCK, TRACTOR & STATIONARY ENGINES

MODELS 78, 135-S, 200-S—single-bolt lid, screw-in type pack, overall compact design. Provide ultimate in filtration for passenger cars, small trucks, tractors — other similar engines up to 5-quart, 6-quart, and 7-quart crankcase capacities.

MODELS 272-C AND 363-C — single-bolt lid clamp, O-Ring lid gasket, screw-in type pack, rugged construction throughout. For heavy-duty service on gas, gasoline or diesel engines up to 3-gallon and 4-gallon crankcase capacities.

MODELS 500-C AND 750-C — single-bolt lid clamp O-Ring lid gasket, large-capacity packs, extra rugged construction for most severe service. For use on gas, gasoline or diesel engines up to 5-gallon and 8-gallon crankcase capacities. Also on fuel lines, hydraulic oil systems, and other industrial applications.

MODELS 750-2C AND 750-3C — single bolt lid clamp, O-Ring lid gasket, multiple packs for extra large capacity. Either wall or floor mounts for industrial use on engines up to 35-gallon sump, fuel lines to 15 GPM, hydraulic oil systems to 450 gals. For larger capacities, two or more Units can be connected in parallel.

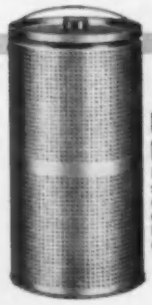
MODELS F-120-C AND F-155-C — for gasoline and diesel fuel lines on mobile, stationary, or marine applications. Extremely efficient in removing impurities and contaminants from fuel. Single Units handle flow rates from 1.0 to 2.0 GPM on suction or gravity flow. For larger capacities, two or more Units may be connected in parallel.

AVAILABLE THROUGHOUT THE WORLD

GENUINE Luber-finer REPLACEMENT PACKS

DIESELPAK® For use on H.D. compounded oils for diesel and gasoline engines. Removes finely dispersed contaminants without affecting additives.

- **IMPERIAL** model for extended maintenance schedules (7,000 to 12,000 miles between oil and pack changes). Most economical.
- **REGULAR** model for frequent oil and pack change schedules (4,000 miles to 7,000 miles). Low initial cost.



REFINING PACK
For use on straight mineral oil, synthetic oils, diesel fuel oil, hydraulic fluid, etc.

LUBER-FINER, INC., 2514 So. Grand Avenue, Los Angeles 7, California

● More details? Circle 170 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

PAINTS, LACQUER TO PASSENGER CARS

PAINTS, Enamel—*continued*

Standard-Toch Chemicals Inc
Steelcote Mfg Co
Vita-Var Corp
Wilbur & Williams Co
Zac-Lac Paint & Lacquer Corp

PAINTS, Lacquer

Acme Quality Paints Inc
American Lacquer Solvents Co
American Paint Co
Arco Co
Automotive Finishes Inc
Bakelite Corp
Briggs Mfg Co
Day & Co James B

DITZLER COLOR DIV

DU PONT DE NEMOURS & CO E I FINISHES DIV

Flood & Conklin Co
Forbes Finishes Div

FORD DIV FORD MOTOR CO

Glidden Co
Horn Co A C Products Finishes Div
Illinois Bronze Powder Co
Martin-Senour Co
Miracle Power Products Corp
Nason Products Div
Pittsburgh Plate Glass Co Paint Div
Plasti-Kote Inc
Rinshed-Mason Co
Service Supply Co

SHERWIN-WILLIAMS CO

Standard-Toch Chemicals Inc
Zac-Lac Paint & Lacquer Corp

PAINTS, Special Type

Acme Quality Paints Inc

ALUMINUM CO OF AMERICA

ALUMINUM INDUSTRIES INC

Arco Co
Battenfield Grease & Oil Corp
Day & Co James B

DITZLER COLOR DIV

E I DU PONT DE NEMOURS & CO FABRICS & FINISHES DEPT

Forbes Finishes Div
Frost Paint & Oil Corp
Gates Engineering Co
Glidden Co
Hock Paints Inc
Illinois Bronze Powder Co
Interstate Enamel & Varnish Co
Lawter Chemicals Inc

MAGNUS CHEMICAL CO INC

Markal Co

Martin-Senour Co

MOBIL OIL CO

Modene Paint Co
Oil-Dri Corp of America
Pittsburgh Plate Glass Co Paint Div
Plasti-Kote Inc
Prufcoat Laboratories Inc
Quigley Co

REYNOLDS METALS CO

Sauereisen Cements Co
Sheffield Bronze Paint Corp

SHERWIN-WILLIAMS CO

Speco Inc
Stonhard Co
Vita-Var Corp
Wilbur & Williams Co Inc

PAINT HEATERS, HOT SPRAY *See Heaters, Paint Hot Spray*

PAINT MASKING *See Masking*

PAINT REMOVERS

Acme Quality Paints Inc
Amchem Products Inc
American Varnish Co
Arco Co
Ball Chemical Co
Barr & Co W M
Beck Equipment & Chemical Co
Brown Solvents Corp
Brulin & Co
Cee-Bee Chemical Co
Celco Corp
Cooper Co D C
Day & Co James B
Delta Chemical Co
Detrex Chemical Industries Inc

DITZLER COLOR DIV

DU PONT DE NEMOURS & CO E I FINISHES DIV

Ensign Products Co
Fine Organics Inc
J B Ford Div
Fischer Industries Inc
Gerlach Co E A
Houghton & Co E F
Illinois Bronze Powder Co
Industrial Chemical Products Co
Kelite Corp
Klem Chemicals Inc
Lea Mfg Co

MAGNUS CHEMICAL CO

Manpro Corp
Modene Paint Co
Morris Paint & Varnish Co
Nason Products Div
Northwest Chemical Co

OAKITE PRODUCTS INC

Octagon Process Inc
Paint Remover Chemical Corp
Panther Chemical Co
Peck's Products Co
Penetone Co
Permo Products Corp
Pratt & Lambert Inc
Rossaul Co
Service Supply Co

SHERWIN-WILLIAMS CO

Standard Toch Chemicals Inc
Steelcote Mfg Co
Turco Products Inc
Wilbur & Williams Co
Wilson Imperial Co

PAINT SPRAY BOOTHS

Beck Equipment & Chemical Co
Binks Mfg Co
Black Mfg Co
Burdett Mfg Co
Cincinnati Cleaning & Finishing Machinery Co

DE VILBISS CO

Inland Mfg Co
M & E Mfg Co

MAHON CO R C

MARSON CORP

Paasche Airbrush Co
Spray Engineering Co
Young & Bertke Co

PAINT SPRAYERS

Alemite Div
Beck Equipment & Chemical Co
Binks Mfg Co
Black Mfg Co
Brown Corp W R
Campbell-Hausfeld Co

DE VILBISS CO

Electric Sprayit Div
G M Mfg Co Inc

GRAY CO

Idico Products Co
Ionic Electrodstatic Corp
Kelite Corp
Klepp Bros Inc

LINCOLN ENGINEERING CO DIV

Nordson Corp
Paasche Airbrush Co
Pioneer Air Compressor Co
Plummer Spray Equipment Co
Ransburg Electro-Coating Co
Schweitzer Equipment Co
Sharpe Mfg Co
Spee-Flo Co
Spray Engineering Co
Spraying Systems Co
Wilson Inc K R

PAINT STRIPPERS

Beck Equipment & Chemical Co
Brulin & Co Inc
Day & Co James B
Fine Organics Inc
Kelite Corp
Magnus Shemical Co Inc
Malsbary Mfg Co

OAKITE PRODUCTS INC

Penetone Co
Turco Products Inc
Wendell Manufacturing Co

PARKING BRAKES *See Brakes, Parking*

PARKING LAMPS *See Lamps*

PARTS *See Brake Parts, Clutch Parts, Front End Parts, Ignition Parts, etc.*

PASSENGER CARS, RENTAL *See Leasing Company (Nationwide)*

PASSENGER CARS

AMERICAN MOTORS CORP (American Rambler Ambassador)

Buick Div
Cadillac Div
Checker Motors Corp (Checker taxicab Superba car)

CHEVROLET DIV (Chevrolet Corvair Corvette)

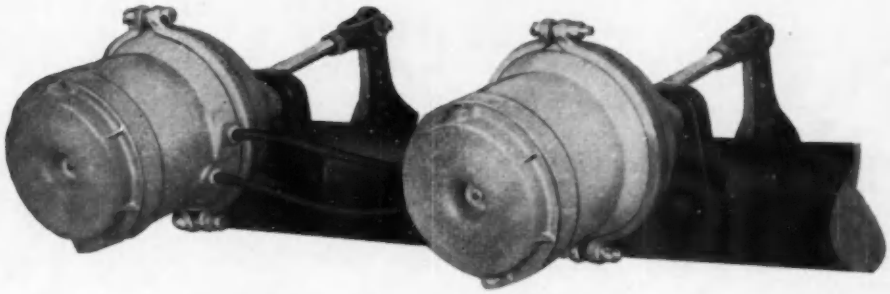
Chrysler Div (Chrysler Imperial)
Dodge Div (Dodge Dodge Dart)

FORD DIV (Ford Falcon Thunderbird)

Lincoln-Mercury Div Ford Motor Co

New parking brake installs on existing brake chamber!

hytrol Aire-Spring Chamber is lightest, lowest in cost, easiest to install, maintain!



Automatic emergency and parking brake combined—none lighter, less expensive or easier to install! It's absolutely fail-safe, designed to meet latest ICC regulations and new California law. Unconditionally guaranteed by Hydro-Aire. Models to fit most trucks, tractors, trailers and busses. Easy installation—no welding, no mounting kits or brackets, no special tools required.

TRUCK OPERATORS: Ask your distributor for hytrol Aire-Spring Chamber and/or write us direct.

DISTRIBUTORS: Some choice territories still available—tremendous interest among truckers! Phone, write or wire for complete information.

WORLD LEADERS IN AUTOMATIC BRAKING CONTROLS

HYDRO-AIRE

DIVISION OF CRANE CO.

3000 Winona Avenue
Burbank, California

● More details? Circle 171 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

PEDAL PADS TO PISTON RING TOOLS

PASSENGER CARS—*continued*

MOPAR DIV CHRYSLER CORP
OLDSMOBILE DIV
PLYMOUTH DESOTO VALIANT DIV
Pontiac Div
STUDEBAKER-PACKARD CORP (Lark Studebaker Hawk)

PEDAL PADS

Accurate Products Inc
American Automatic Devices Co
Anchor Rubber Product Div
Doan Mfg Corp Div
FIRESTONE TIRE & RUBBER CO
FORD DIV FORD MOTOR CO
King Bee Mfg Co
Kravex Mfg Corp
Loock & Co R J
Monarch Rubber Co
Moore & Co
PORTER CO H K FORGE & FITTINGS DIV
Radiator Specialty Co
Roberts Toledo Rubber Co
UNITED STATES RUBBER CO

PEDAL DEPRESSORS, BRAKE *See Brake Pedal Depressors*
PET COCKS *See Drain Cocks*
PINS KING *See Front End Suspension Parts*
PINS, PISTON *See Piston Pins*
PINTLE HOOKS *See Towing Hooks*
PIPES, EXHAUST *See Exhaust & Tail Pipes*

PISTONS

Al-Fin Div Fairchild Engine & Airplane Corp
ALLIED AUTOMOTIVE PARTS CO
Aluminum Alloys Corp
ALUMINUM CO OF AMERICA
ALUMINUM INDUSTRIES INC
AMERICAN HAMMERED DIV
Arrow Head Steel Products Co
Badger Mfg Co
Bohn Aluminum & Brass Corp
CONTINENTAL MOTORS CORP
Edelbrook Equipment Co
Elgin Machine Works Inc
Ertel Products Co Repl Div
FORD DIV FORD MOTOR CO
GILLET & EATON INC
McQUAY-NORRIS MFG CO
MOPAR DIV CHRYSLER CORP
Ohio Piston & Machinery Co
SEALED POWER CORP
Sterling Aluminum Products Inc
Thompson Products Replacement Div
Toledo Steel Products Div
Triplex Corp of America Div
UNITED ENGINE & MACHINE CO
White Machine Works
ZOLLNER CORP

PISTON PINS

Aircraft & Automotive Products Inc
ALLIED AUTOMOTIVE PARTS CO
ALUMINUM INDUSTRIES INC
Andrew Parts Mfg Co
Badger Mfg Co
Burgess-Norton Mfg Co
Elgin Machine Works
FORD DIV FORD MOTOR CO
KENT-MOORE ORGANIZATION INC
McQUAY-NORRIS MFG CO
Marquette Div
Monmouth Products Co
MOPAR DIV CHRYSLER CORP
Ohio Piston & Machinery Co
Ottawa Steel Products Inc
SEALED POWER CORP
Simplex Products Corp
Thompson Products Replacement Div
Toledo Steel Products Div
White Machine Works

PISTON PIN BUSHING BORING MACHINE

CEDAR RAPIDS ENGRG CO
FORD DIV FORD MOTOR CO
Lempco Products Inc
Tobin-Arp Mfg Co

PISTON PIN BUSHING HONES *See Hones, Small Bore*

PISTON PIN REMOVING & INSTALLING TOOLS

Clark-Feather Mfg Co
HERBRAND DIV
KENT-MOORE ORGANIZATION INC
Lisle Corp
Manzel Unit
Master Signal Co
McQUAY-NORRIS MFG CO
New Britain Machine Co Hand Tools Div
OWATONNA TOOL CO
Proto Tool Co
SEALED POWER CORP
SUNNEN PRODUCTS CO
Winona Tool Mfg Co
Zoerman-Clark Mfg Co

PISTON PIN VISES

AMMCO TOOLS INC
KENT-MOORE ORGANIZATION INC
Lempco Products Inc
SUNNEN PRODUCTS CO
Thompson Products Replacement Div
Toledo Steel Products Div

PISTON REGROOVERS

KENT-MOORE ORGANIZATION INC
Lisle Corp
McQUAY-NORRIS MFG CO
PERFECT CIRCLE CORP
SEALED POWER CORP
SNAP-ON TOOLS CORP
Zim Mfg Co

PISTON RESIZERS

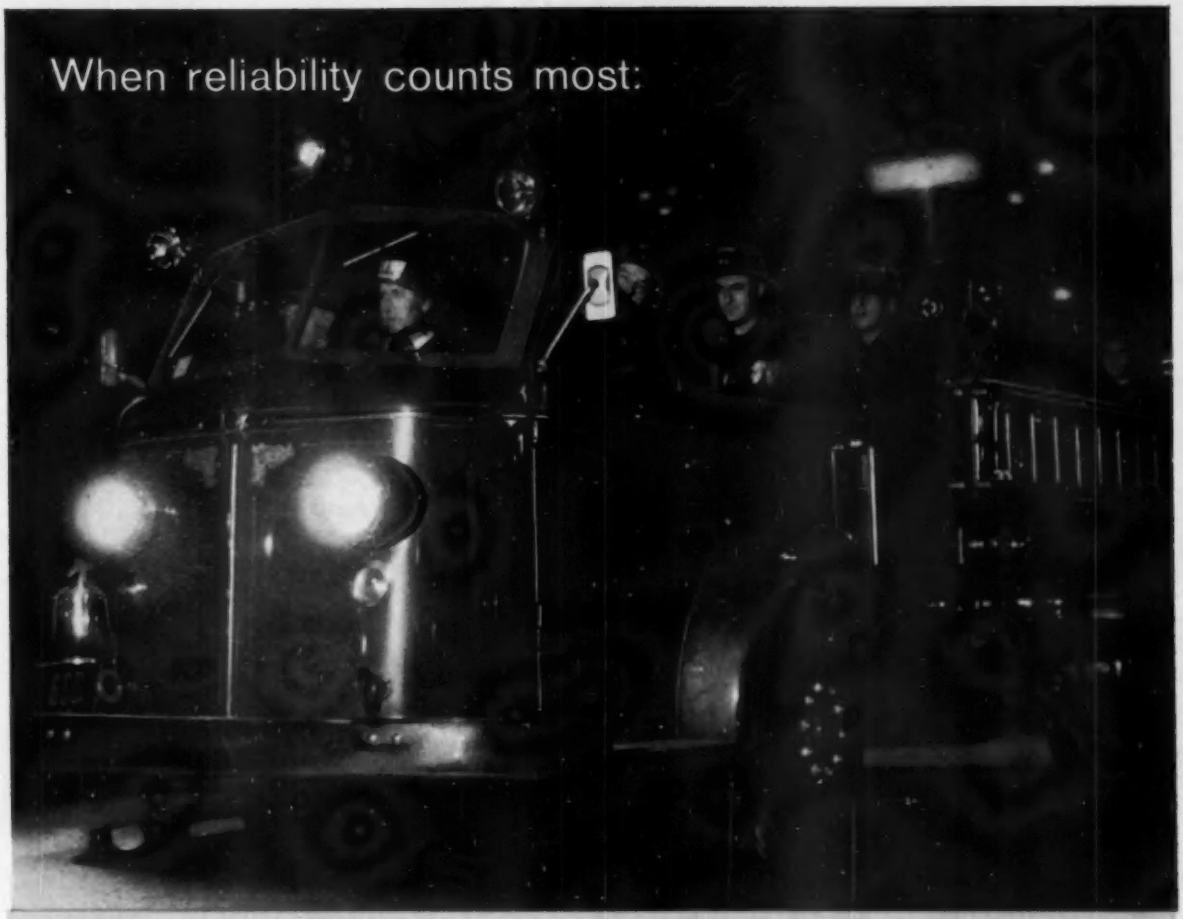
Burd Piston Ring Co
Groove-Rite Tool Co
Lisle Corp
McQUAY-NORRIS MFG CO
Moog Industries Inc
PERFECT CIRCLE CORP
RAMSEY CORP
Tillis Mfg Co

PISTON RINGS

Ace Products Co
AMERICAN HAMMERED DIV
Burd Piston Ring Co
Cord Piston Ring Mfg Co
Double Seal Ring Co
FORD DIV FORD MOTOR CO
Garlock Packing Co
Gill Piston Ring Co
Gilpak Automotive Products Div
HASTINGS MFG CO
International Parts Corp
Koppers Co Metal Products Div
Lion Auto Parts & Mfg Co
Luthy Co F A
McQUAY-NORRIS MFG CO
Moog Industries Inc
MOPAR DIV CHRYSLER CORP
Muskegon Piston Ring Co
Pacific Piston Ring Co
PERFECT CIRCLE CORP
Ramco Div
Republic Engrg & Mfg Co
Richmond Ring Co
SEALED POWER CORP
Simplex Piston Ring Mfg Co
Steel-Bronze Sealing Rings Co
Superior Piston Ring Co
Wausau Motors Parts Co
White Machine Works
WILKENING MFG CO
Wisconsin Motor Corp

PISTON RING COMPRESSING TOOLS

Burd Piston Ring Co
Chicago Tool & Kit Mfg Co



Rely on Tung-Sol

It's not by chance that fleet after fleet depends on Tung-Sol Heavy Duty Headlamps to tackle the toughest, most demanding headlighting assignments. Tung-Sol 4005s and 6013s are engineered and built to deliver.

When the chips are down, their ruggedized construction features — durable filaments, anti-shock fog cap support, extra-strength spot weld leads, vibration-resistant ceramic collars — pay off in performance . . . the kind of performance that gets fleets through — safely and on time — whatever the road and weather conditions.

Switch your fleet to Tung-Sol and switch on the most rugged headlamps ever built. Automotive Products Division, Tung-Sol Electric Inc., Newark 4, N. J.

Bright new Heavy Duty packages

TUNG-SOL

Heavy Duty Headlamps

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

PISTON RING EXPANDERS TO POLISH & WAX

PISTON RING COMPRESSING TOOLS—*continued*

Cornwell Quality Tool Co
Duro Metal Products Co
HASTINGS MFG CO
HERBRAND DIV
Kastar Inc
Kennedy Service Tools Co
KENT-MOORE ORGANIZATION INC
Lisle Corp
McQUAY-NORRIS MFG CO
Manzel Unit
Master Signal Co
National Machine & Tool Co
New Britain Machine Co Hand Tools Div
OWATONNA TOOL CO
P&C Tool Co
Perfect Parts Inc
Proto Tool Co
Rinck-McIlwaine Inc
SEALED POWER CORP
SNAP-ON TOOLS CORP
Wilde Tool Co
WILKENING MFG CO
J H Williams & Co
Zim Mfg Co

PISTON RING EXPANDERS

Chicago Tool & Kit Mfg Co
Cornwell Quality Tools Co
HASTINGS MFG CO
KENT-MOORE ORGANIZATION INC
McQUAY-NORRIS MFG CO
Muskegon Piston Ring Co
OWATONNA TOOL CO
RAMSEY CORP
SEALED POWER CORP
Smalley Accessories Corp
SNAP-ON TOOLS CORP
WILKENING MFG CO

PISTON RING GROOVE CLEANING TOOLS

Aircraft Specialties Inc
All-Power Mfg Co
Burd Piston Ring Co
Cal-Van Machine Products Inc
Duro Metal Products Co
Goodson Mfg Co
Groove-Rite Tool Co
HASTINGS MFG CO
HERBRAND DIV
KENT-MOORE ORGANIZATION INC
Lisle Corp
Master Signal Co
McQUAY-NORRIS MFG CO
Miller Co L B
National Machine & Tool Co
New Britain Machine Co
OWATONNA TOOL CO
Peterson Co Paul
Proto Tool Co
Rinck-McIlwaine Inc
SEALED POWER CORP
SNAP-ON TOOLS CORP
Stromgren Co
Wilde Drop Forge & Tool Co
Wood Co Frank N
Zim Mfg Co

PISTON SKIRT EXPANDERS

McQUAY-NORRIS MFG CO
PERFECT CIRCLE CORP

PISTON SKIRT INSERTS, Expanders

McQUAY-NORRIS MFG CO
PERFECT CIRCLE CORP

PISTON TURNING & GRINDING MACHINES

CEDAR RAPIDS ENGRG CO
Cincinnati Milling Machine Co
Landis Tool Co
Norton Co
Storm-Vulcan Inc

PISTON VISES

Groove-Rite Tool Co
HASTINGS MFG CO
KENT-MOORE ORGANIZATION INC
Lempco Products Inc
Production Devices Inc
Stevens Walden Inc
Zim Mfg Co

PLATES, CLUTCH PRESSURE *See Clutch Pressure Plates*
PLATES, FLOORING *See Flooring, Truck & Trailer*
PLATES, STEP *See Step Plates*
PLIERS, BRAKE SPRING *See Tools, Brake Spring*
PLOWS, SNOW *See Snow Plows*
PLUGS, SPARK *See Spark Plugs*

PLYWOOD PANELS

EVANS PRODUCTS CO
Harbor Plywood Corp
Haskelite Mfg Div
Hobbs Trailers
Met-L-Wood Corp
United States Plywood Corp

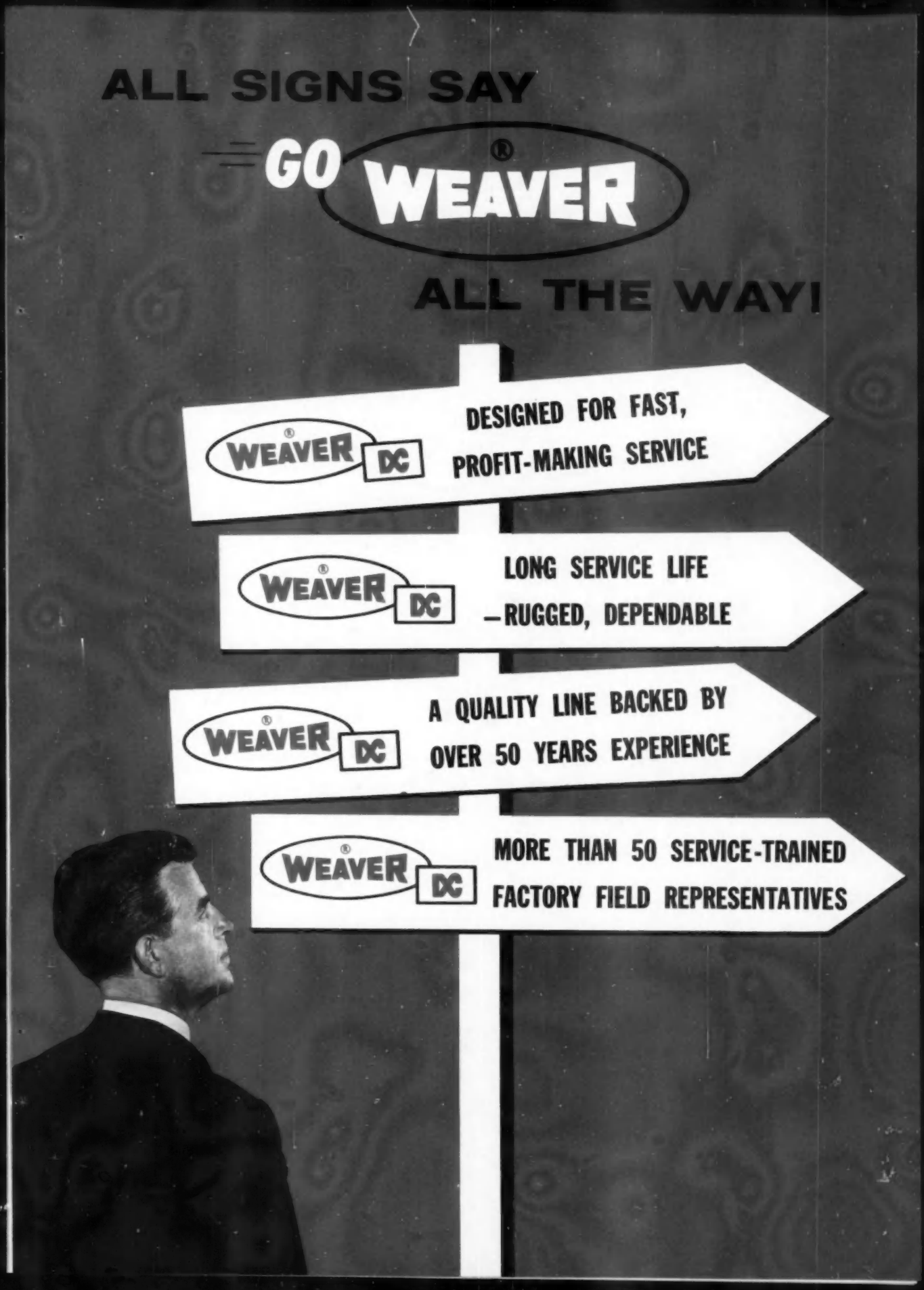
PNEUMATIC TOOLS & EQUIPMENT *See item desired*
POINTS, IGNITION *See Ignition Parts*

POLISH & WAX (Body)

Acme Quality Paints Inc
ALBERTSON & CO
Allied Research Products Inc
Alsol Products Co
Ball Chemical Co
Barton Products Co
Bell Co
BLACK & DECKER MFG CO
Bostwick Laboratories Inc
Bowes "Seal Fast" Corp
Boyle-Midway Inc
Burnishine Products Co
Campbell Paint & Varnish Co Div
Cannon Chemical Co
Collienite Chemical Co
Colorgio Products Inc
Drew & Co E T Automotive Chemicals Div
DU PONT DE NEMOURS & CO E I CHEMICAL SPECIALTIES DIV
Ensign Products Co
ESSO STANDARD DIV
FORD DIV FORD MOTOR CO
Glidden Co
Glisten Co
Hollingshead Corp R M
International Metal Polish Co
Johnson & Son Inc S C
Kano Laboratories
Ken-Nite Co
Lee Polish Mfg Co
Liquid Glaze Inc
Liquid Veneer Corp
Livingston Co
Lusco Inc
Mac's Super Gloss Co
Milwaukee Electric Tool Corp
Mirror Bright Polish Co
MOBIL OIL CO
MOPAR DIV CHRYSLER CORP
National Carbon Co
Nu-Wipe-Lacquerwax Inc
Park Chemical Co
Pittsburgh Plate Glass Co Paint Div
Penray Co
PERMATEX CO
Rawhide Products Co
Regal Air Corp
SHELL OIL CO
SHERWIN-WILLIAMS CO
Simoniz Co
SINCLAIR REFINING CO
Speco Inc
Stain-Ox Co
Stanley Co John T
Tumbler Laboratories J A
Turtle Wax Inc
U S Chemical & Supply Co
UNION CARBIDE CONSUMER PRODUCTS CO DIV
Universal Chemical Div
Westley Industries
Wilco Co
Wilson Imperial Co
Woodside Industries
Zecol Inc

POLISHERS, PORTABLE ELECTRIC *See Sanders, Portable Electric*
POLISHERS, PORTABLE PNEUMATIC *See Sanders, Portable Pneumatic*
POLISHING COMPOUNDS *See Compounds, Rubbing & Polishing*
POWER, STEERING *See Steering Gear Power Systems*

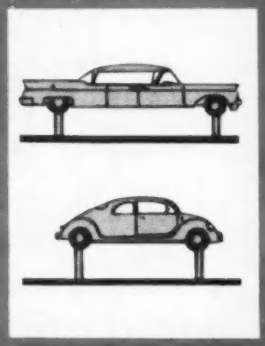
● More details? Circle 193 on reply card inside back cover——▶


ALL SIGNS SAY
GO WEAVER®
ALL THE WAY!
WEAVER DC
DESIGNED FOR FAST, PROFIT-MAKING SERVICE
WEAVER DC
LONG SERVICE LIFE —RUGGED, DEPENDABLE
WEAVER DC
A QUALITY LINE BACKED BY OVER 50 YEARS EXPERIENCE
WEAVER DC
MORE THAN 50 SERVICE-TRAINED FACTORY FIELD REPRESENTATIVES

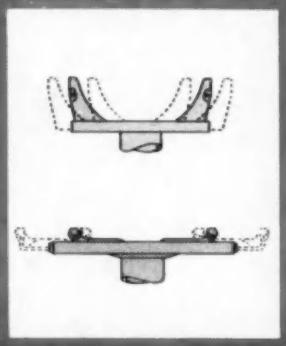
WEAVER EQUIPMENT INCREASES

FAMOUS TWIN POST LIFTS

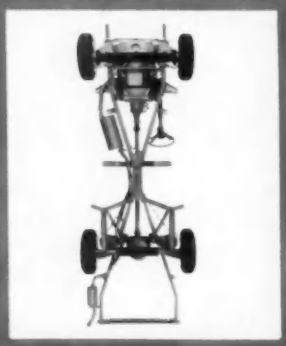
Unexcelled for flexibility and anti-obsolescence qualities. Adjust to all cars—old or new, large or small. No rails in the way . . . every under-chassis point is readily accessible. Mechanics perform service operations faster, more efficiently. Available in three sizes, eight models for a full range of lifting capacities. The most versatile lift on the market! Twin Post Lift Passenger Car Universal Rear Wheel Adapters shown, available as extra equipment. Also a complete line of Single and Triple Post Lifts.



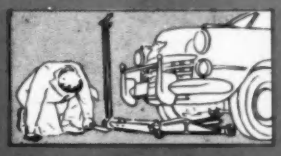
Fore-and-aft adjustment, with movable front post, to any wheelbase. Independent lift control for each post.



Adjustable front and rear saddle adapters easily positioned for proper lifting contact, regardless of car width or design.



Greater under-car accessibility than any other lift. A bay equipped with a Weaver Twin Post Lift is the most versatile in the shop.



Easy to position beneath car, and spot saddle under axle.

Easy to maneuver, and dolly cars around shop.

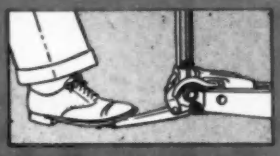
PROFIT ON EVERY SERVICE JOB!

LO-HI-DRAULIC JACKS

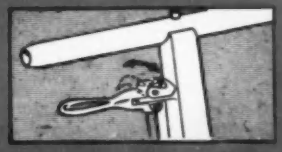
They're alike in appearance, construction and dependable performance . . . a complete family from 1¼-ton to 20-ton capacity, with a model for every type of shop. Because of low saddle and shoulder design, jacks fit under the lowest axles with ease. Extra high lift. Easy hydraulic action, with removable spring-balanced handle, requires minimum effort.

WHEEL ALIGNMENT EQUIPMENT

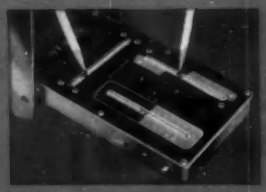
Any shop can add profitable wheel alignment at low cost with a Weaver outfit. Wide selection includes Twin Post Lift Wheel Alignment Equipment, "Rack-Type" and "Floor-Level" outfits with adjustable tread, and portable "On-The-Floor" outfits. Each outfit includes the finest of equipment for taking highly accurate readings for Camber, King-Pin (Ball Joint) Inclination, Caster, Toe and Turning Radius. Weaver Alignment Equipment can pay for itself in a few months.



Saddle is raised to load tension with Quick Lift Lever, pioneered by Weaver.

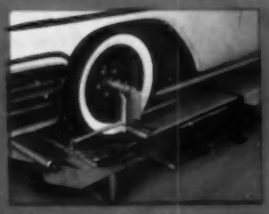


Safety lock on handle prevents accidental drop.



3-Way Alignment Gauge gives fast, accurate readings for Camber, King-Pin (Ball Joint) Inclination, Caster.

Strong, light-weight Turning Radius Gauges make it easy to measure turning radius.



Easy-to-read Toe Gauge Scale is instantly "zeroed" for all wheel treads.

Tru-Way Toe Gauge includes snap-mount parallel bars, self-aligning gauge bar, calibrating tool.

A COMPLETE FAMILY OF FINE SHOP EQUIPMENT

SINGLE POST LIFTS

Swivel Arm Single Post Frame Lift with long-reach lifting arms and multi-height adjustable adapters handles any car or light truck. Also available: "H"-Frame Single Post Lifts, and Roll-On Lifts.

UNIT LIFT

Two-Stage Unit Lift speeds removal and handling of any car or light truck transmission . . . plus Corvair Power Train. Lightweight, portable.

TRANSMISSION JACK

Hydraulically operated. Specially designed for removing and replacing truck transmissions, torque converters, differentials.

HAND JACKS

Rugged hydraulic hand jacks available in 9 capacities, 1½- to 100-tons. Smooth, easy operation.

BUMPER JACKS

Make lifting the entire end of a car a quick, simple job. Easy to position and maneuver. High lift —32¼". Two models: Air-Operated and hydraulic.

WEAVER SAFETY LINE EQUIPMENT

HEADLIGHT TESTERS

With Rayoscope Headlight Tester, headlights are aimed and tested entirely by instrument. No guesswork. Also available: inexpensive Photoscope Tester.

BRAKE TESTERS

Weaver "Drive-On-And Stop" Testers are used by most Official Vehicle Inspection Stations throughout the world. Available in 8 models. (Combination Brake and Alignment Tester shown).

WHEEL BALANCERS

Dynamic Wheel Counterbalancer makes an immediate and accurate correction for static and dynamic wheel unbalance. Balances wheel while it spins, and does it right—the first time.

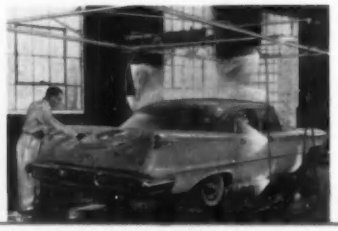
Weaver low-cost Acra-Speed Wheel Balancer also available.

WHEEL DOLLIES

Permit one man to remove, transport, and replace heavy truck and bus duals. Wheel turns on roller arms. A "must" for any truck shop. Two sizes, 3 models.

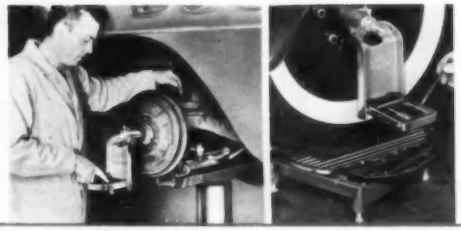
CAR WASHER

Low priced, easy to install. Lets shop handle twice as many cars as with manual washing; helps bring in other business. Automatic timing of First Rinse, Detergent, Sponging, and Rinsing cycles.



WHEEL ALIGNMENT OUTFITS

Complete selection of models for every type of shop and budget. Provide the fastest, most accurate and most complete method for checking and correcting alignment. Compact, portable models included in the versatile line-up.



SERVICE STANDS

Indispensible for supporting cars and trucks for "On-The-Floor" service operations. Four models: 5, 6, 10, and 14-ton capacity per pair.

AIR COMPRESSORS

A complete line of models, ⅓ h.p. to 25 h.p., with one to meet the exact requirements of every type shop. Electric or gasoline operated, vertical or horizontal.

WEAVER MANUFACTURING DIVISION, DURA CORPORATION
Dept. C-11, Springfield, Ill.

Please send information on the following:

- ☐ Single Post Lifts
- ☐ Twin Post Lifts
- ☐ Triple Post Lifts
- ☐ Unit Lifts
- ☐ Wheel Alignment Equipment
- ☐ Car Washer
- ☐ Headlight Testing Equipment
- ☐ Brake Testing Equipment
- ☐ Wheel Balancing Equipment
- ☐ Lo-Hi-Draulic Jacks
- ☐ Bumper Jacks
- ☐ Transmission Jacks
- ☐ Hand Jacks
- ☐ Wheel Dollies
- ☐ Service Stands
- ☐ Air Compressors

Company _____ Type of Business _____

Street Address _____

City _____ Zone ____ State _____

By _____

MAIL COUPON TODAY FOR INFORMATION

WEAVER® DC

SERVICE SHOP EQUIPMENT

WEAVER MANUFACTURING DIVISION
DURA CORPORATION
Springfield, Ill., U.S.A.

OVER 50 YEARS SERVING THE AUTOMOTIVE SERVICE INDUSTRY

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

POWER TAKE-OFFS TO PULLERS

POWER TAKE-OFFS

Adams Engineering Co
Arrow Gear Co
Cemco Industries Inc
Chelsea Products Inc
CLAYTON MFG CO
CLARK EQUIPMENT CO
Cotta Transmission Co
DANA CORP
Detroit Harvester Co
Dura Co
FAB Mfg Co
Gar Wood Industries Inc Wayne Div
Heil Co
HENDRICKSON MFG CO
HIGHWAY TRAILER CO
Holan Corp
INTERNATIONAL HARVESTER CO
Lempco Products Inc
Maday Body & Equipment Corp
Mobile Power Co
Muncie Parts Mfg Co
Paris Products Div
ROCKFORD CLUTCH DIV
Stimmel Winch Co
STOW MFG CO
Tec Div—Heil Co
Tradewind Ind Inc
Truckstell Mfg
TULSA PRODUCTS DIV
Twin Disc Clutch Co
Waterous Co
WATSON CO H S
Western Gear Works

PRESSES, DRILL *See Drill Presses*

PRESSES, Hydraulic

(See also Rams)

ACF Industries Div
ACCO EQUIPMENT DIV
Baldwin-Lima-Hamilton Corp
Bee-Line Co
Birdsboro Steel Foundry & Machine Co
BLACKHAWK AUTOMOTIVE DIV
Chambersburg Engrg Co
Champion Blower & Forge Co
CHICAGO PNEUMATIC TOOL CO
Clearing Machine Corp
Clifton Hydraulic Press Co
Colton Co Div
Denison Engineering Co
Detroit Broach Co
Elmes Engineering Div
Erie Foundry Co
Fox Engrg Co
General Mfg Co
Hannifin Corp
HEIN-WERNER CORP
Hill Inc Walter P
Hydraulic Press Mfg Co
Kane & Roach
KENT-MOORE ORGANIZATION INC
Lake Erie Machinery Co
Lapointe Machine Tool Co
Lempco Products Inc
Link Engrg Co
Logan Engrg Co
Logansport Machine Co
Manley Div
Manzel Unit
Mead Specialties Co
Mesta Machine Co
OWATONNA TOOL CO
Paul Machine Tool & Die Works
Rodger Hydraulic Inc
SNAP-ON TOOLS CORP
Studebaker Hydraulic Products Co
Sutton Engrg Co
Tobin-Arp Mfg Co
Treadwell Tap & Die Co
Tripp F A
Verson Allsteel Press Co
WATERVLIET TOOL CO
Watson-Stillman Press Div
Williams White & Co
Wilson Inc K R
Winona Tool Mfg Co
Wood Co Frank N
Wright Tool Co

PRESSES, WHEEL STRAIGHTENING *See Wheel Straighteners*

PREVENTIVES, RUST *See Radiator Rust Inhibitors*

PRIMERS, Engine

Automotive & Marine Products Corp
California Oil Co
Dole Valve Co
The Houston Co
IMPERIAL BRASS MFG CO
KOHLER CO
Phillips Mfg Co
SHERWIN-WILLIAMS CO
STANDARD OIL CO OF CALIF
STANDARD OIL CO OF TEXAS
Start Pilot Corp
TURNER CORP

PROPANE *See Fuels*

PROPELLER SHAFTS

Borg-Warner Service Parts Co
Cleveland Steel Products Corp
DANA CORP
Detroit Bevel Gear Div
Dittmer Gear & Mfg Corp
Lempco Products Inc
Mechanics Universal Joint Div
Muncie Parts Mfg Co
Neapco Products Inc
REPUBLIC STEEL CORP STEEL AND TUBES DIV
ROCKWELL-STANDARD CORP TRANSMISSION & AXLE DIV
SAGINAW STEERING GEAR DIV
U S AXLE CO

PROTECTIVE COATING *See Coating, Protective*

PULLERS, Axle Shaft

HERBRAND DIV
Hunt Mfg Co Geo L
K-D MANUFACTURING CO
Kaywood Products Corp
KENT-MOORE ORGANIZATION INC
Ken-Tool Mfg Co
Manzel Unit
OWATONNA TOOL CO
P & C Tool Co
Proto Tool Co
SNAP-ON TOOLS CORP
Springfield Wheel Puller Co
Templeton Kenly & Co
Wright Tool Co

PULLERS, Bearing, Gear & Wheel

BARRETT EQUIPMENT CO
BLACKHAWK MFG CO
C & G Wheel Puller Co
Chicago Tool & Kit Mfg Co
Crane Puller Co
Duro Metal Products Co
Gerb Co
HERBRAND DIV
Indestro Mfg Co
K-D MFG CO
Kennedy Service Tools Co
KEN-TOOL MFG CO
KENT-MOORE ORGANIZATION INC
Lisle Corp
Manzel Unit
Martindale Electric Co
McQUAY-NORRIS MFG CO
Miller Mfg Co
National Machine & Tool Co
New Britain Machine Co Hand Tools Div
OWATONNA TOOL CO
P & C Tool Co
Proto Tool Co
Rovtar Tool-Die Mfg Co
SNAP-ON TOOLS CORP
Springfield Wheel Puller Co
Templeton Kenly & Co
Weidenhoff Corp
Wilson Inc K R
Wood Co Frank N
Wright Tool & Forge Co
Zim Mfg Co

PULLERS, Cylinder Liner (Sleeve)

Fort Dodge Machine & Supply Co
HERBRAND DIV
Hunt Mfg Co Geo L
KENT-MOORE ORGANIZATION INC
McQUAY-NORRIS MFG CO
National Machine & Tool Co
OWATONNA TOOL CO

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

PUMPS, BARREL TO REAMERS

PULLERS, Cylinder Liner (Sleeve)—*continued*

Proto Tool Co
Sweeney Mfg Co B K
Templeton Kenly & Co

PUMPS, VACUUM BRAKE *See Brake Vacuum Systems*

PUMPS, Drum or Barrel Type

BENNETT PUMP DIV
Binks Mfg Co
De VILBISS CO
Kleer-Flo Co
LINCOLN ENGINEERING CO DIV
Plews Oiler Inc
Practical Products Co
Star Products Co
Templeton Co The
TOKHEIM CORP

PUMPS, DIESEL *See Fuel Pumps, Diesel*

PUMPS, GASOLINE *See Fuel Pumps, Gasoline*

PUMPS, FUEL (SERVICE STATION) *See Fuel Pump (Service Station)*

PUMPS, OIL *See Oil Pumps*

PUMPS, WATER *See Water Pumps*

RACKS, Stock, Storage

Acme Steel Co
Arrow Products Inc
Barrett-Cravens Co
Bay Products Div
Berger Div
Bernard-Franklin Co
BRANICK MFG CO
Brown Engineering Co
Dolin Metal Products Co
Equipment Mfg Inc
Factory Service Co
Fenton Industries
Hartman Metal Fabricators Inc
Kirspel Industries Inc
Lewis-Shepard Products Inc
Logan Co
Louisville Metal Products Co
Lyon Metal Products Inc
Metropolitan Wire Goods Corp
Myers Tire Supply Co
Paltier Corp
Republic Steel Corp Pressed Steel Div
Revolvator Co
Unistrut Products Co

RADIATORS

RADIATORS, Engine Cooling

Arsco Mfg & Sales Corp
Auto Radiator Mfg Co
Beacon Auto Radiator Co
Daniel Radiator Corp
Fedders Corp Co
FORD DIV FORD MOTOR CO
G & O Mfg Co
General Radiator Co
HARRISON RADIATOR DIV
Lake Auto Radiator Mfg Co
Long Mfg Div
McCord Corp
Modine Mfg Co
MOPAR DIV CHRYSLER CORP
Paragon Auto Radiator Corp
Perfex Corp
Stanley Co John T
Young Radiator Co

RADIATOR BUG SCREENS

Jax Manufacturing Co

RADIATOR CAPS

AC SPARK PLUG ELECTRONICS DIV
Accurate Products Inc
American Insulator Corp
Badger Mfg Corp
Berkson Products Inc
The Dole Valve Co
DORMAN PRODUCTS INC
Eaton Mfg Co Stamping Div
EVERHOT MFG CO
FORD DIV FORD MOTOR CO
Loock & Co R J
MOPAR DIV CHRYSLER CORP
Namsco Inc
Norlipp Co
Rockford Metal Products Inc
Sal Metal Products Co
STANT MFG CO
Truckstell Mfg Co
Victor Instrument Mfg Co
Wayne Metalcraft Div
Wheel Parts & Mfg Co
WOHLERT CORP

RADIATOR CLEANERS (Chemical)

Aeroil Products Co
American Sand-Banum Co
Bardahl International Corp
Brulin & Co Inc
du Pont de Nemours & Co E I Grasselli Chemical Dept
FORD DIV FORD MOTOR CO
Grace Products Inc
Hollingshead Corp R M
HOMESTEAD VALVE MFG CO
Inland Mfg Co
International Metal Polish Co Inc
K & W Products Inc
MAGNUS CHEMICAL CO
OAKITE PRODUCTS INC
Park Chemical Co
Penetone Co
PERMATEX CO INC
Rust Master Chemical Corp
Service Supply Co
Stanley Co John T
UNION CARBIDE CONSUMER PRODUCTS CO DIV

RADIATOR COOLING FANS *See Fans, Cooling System*

RADIATOR COOLANT TESTER *See Hydrometers*

RADIATOR COVERS (Fabric)

Bemis Bros Bag Co
East Akron Tarpaulin & Awning Co

RADIATOR FLUSHERS *See Cooling System Flushers*

RADIATOR GRILLES

Cutler Metal Products Co
EATON MFG CO
ELECTRIC AUTOLITE CO
Electro Mechanical Products Co
Excel Corp
FORD DIV FORD MOTOR CO
Mirro Aluminum Co
MOPAR DIV CHRYSLER CORP
Saginaw Industries Co
Standard Products Co

RADIATOR GRILLE GUARDS

American Forging & Socket Co
Belmor Mfg Co
Bustin Steel Products Inc
Calco Steel Products Co
Champion Sheet Metal Co
Detroit Cover Co
FORD DIV FORD MOTOR CO
Gichner Iron Works Inc
Helms Industrial Development Co
Henry Mfg Co
Hinson Mfg Co
Hutchinson Co
Parker Products Inc
Standard Carriage Wks Inc
Temme & Co W H
Western Metal Specialty Div
Youngstown Kitchens Div

RADIATOR HOSE *See Hose Radiator*

RADIATOR LEAK DETECTORS

AC SPARK PLUG ELECTRONICS DIV
Allen Electric & Equipment Co
Eaton Mfg Co Stamping Div
Edelman & Co E
Hollingshead Corp R M
Inland Mfg Co
MAGNAFLUX CORPORATION
NATIONAL CARBON CO
P & G Mfg Co
Radiator Specialty Co
SPRAGUE DEVICES INC
STANT MFG CO
SUN ELECTRIC CORP
Truckstell Mfg Co

RADIATOR PRESSURE TESTERS

AC SPARK PLUG ELECTRONICS DIV
Allen Electric & Equipment Co
Bee Line Co
Eaton Mfg Co Stamping Div
Edelmann & Co E
Enell Associates Inc

Fisher & Porter Co
Inland Mfg Co
P & G Mfg Co
Radiator Specialty Co
Spotrim Corp
STANT MFG CO
Truckstell Mfg Co

RADIATOR RUST INHIBITORS

Alemite Div
Allube Corp
Alox Corp
ALUMINUM INDUSTRIES INC
American Sand-Banum Co
Bardahl International Corp
Bar's Products Supply Inc
Barton Products Co
Bell Co
Bowes "Seal Fast" Corp
Cannon Chemical Co
Choldun Mfg Corp
Commercial Solvents Corp
Drew & Co E F
DU PONT DE NEMOURS & CO FINISHES DIV
Engine Accessories Mfg Co
ESSO STANDARD DIV
FORD DIV FORD MOTOR CO
Grace Products Inc
Hollingshead Corp R M
HOMESTEAD VALVE MFG CO
Hood Refining Co
Insealtor Inc
International Metal Polish Co
K & W Products Inc
Kelite Corp
Mac's Super Gloss Co
MAGNUS CHEMICAL CO
Master Automotive Chemicals Inc
Miracle Power Products Corp
MOBIL OIL CO
MOPAR DIV CHRYSLER CORP
Motor Kool Products Co
National Carbon Co
OAKITE PRODUCTS INC
Olin Mathieson Chemical Corp
Park Chemical Co
Penetone Co
Pennsylvania Refining Co
PENNZOIL-SOUTH PENN OIL CO
PERMATEX CO
Permo Products Co
Radiator Seal Co
Radiator Specialty Co
Randall Products Mfg Co
Rust Master Chemical Co
Service Supply Co
SINCLAIR REFINING CO
Speco Inc
Stanley Co John T
Sun Oil Co
Tumbler Laboratories J A
U S Chemical & Supply Co
UNION CARBIDE CONSUMER PRODUCTS CO DIV
V-O Mfg Co
Walker Mfg Co of Wis
Wayne Chemical Products Co
White & Bagley Co
Wilbur & Williams Co Inc
Wilco Co
Wynn Oil Co
"X" Laboratories Inc
Young Radiator Co
Zecol Inc

RADIATOR SEALING COMPOUNDS

Bar's Products Supply Inc
DU PONT DE NEMOURS & CO E I FINISHES DIV
FORD DIV FORD MOTOR CO
Grace Products Inc
Hollingshead Corp R M
International Metal Polish Co
K & W Products Inc
Lusco Inc
MOBIL OIL CO
MOPAR DIV CHRYSLER CORP
Motor Kool Products Co
Olin Mathieson Chemical Corp
PERMATEX CO
PURE OIL CO
Rust Master Chemical Corp
Service Supply Co
SINCLAIR REFINING CO
Stanley Co John T
UNION CARBIDE CONSUMER PRODUCTS CO DIV

RADIATOR SHUTTERS

Brewer-Titchener Corp
Hardy Mfg Corp
KYSOR HEATER CO

RADIOS, Two-Way

Aeronautical Electronics Inc
Allied Radio Corp
Bendix Radio Div
Du Mont Laboratories Inc Allen B
General Electric Co Communication Products Dept
Gonset Div
International Telephone & Telegraph Corp
Kaar Engrg Corp
MOTOROLA COMMUNICATIONS & ELECTRONICS INC
Radio Corp of America
RADSON ENGINEERING CORP
Vocaline Co of America

RAMPS, DOCK *See Dock Ramps, Adjustable*

RAMS, Hydraulic

AUTO SPECIALTIES MFG CO
John Bean Div
Bee-Line Co
BLACKHAWK AUTOMOTIVE DIV
GLOBE HOIST CO
HEIN-WERNER CORP
KENT-MOORE ORGANIZATION INC
MONARCH ROAD MACHINERY CO
OWATONNA TOOL CO
P-F Automotive Div
Templeton Kenly & Co
WATERVLIET TOOL CO
Wright Tool Co

REAMERS, Main & Connecting Rod Bearing

Beard Tool Co L O
KENT-MOORE ORGANIZATION INC
Keystone Reamer & Tool Co
SNAP-ON TOOLS CORP
WATERVLIET TOOL CO
Wilson Inc K R

REAMERS, Power Drive

Airetool Mfg Co
Barber-Colman Co
Beard Tool Co L O
Cleveland Twist Drill Co
Goddard & Goddard Co
Jarvis Corp
KENT-MOORE ORGANIZATION INC
Lee Co K O
Lempco Products Inc
National Twist Drill & Tool Co
Pratt & Whitney Co
Reiff & Nestor Co
Reltool Corp
Robinson Mfg Co
Standard Tool Co
United States Electrical Tool Co

REAMERS, CYLINDER RIDGE *See Ridge Reamer*

REAMERS, Solid & Adjustable

Arrow Tool & Reamer Co
Barber-Colman Co
Beard Tool Co L O
Cleveland Twist Drill Co
Cornwell Quality Tools Co
Do All Co
Everard Tap & Die Corp
Heller Tool Co
Hjorth Lathe & Tool Co
Illinois Tool Works
KENT-MOORE ORGANIZATION INC
Keystone Reamer & Tool Co
Lee Co K O
Lempco Products Inc
McCrosky Tool Corp
Manzel Unit
Muskegon Tool Industries Inc
National Machine & Tool Co
National Twist Drill & Tool Co
New Britain Machine Co Hand Tool Div
Pratt & Whitney Co
Reiff & Nestor Co
Robinson Mfg Co
Shearcut Tool Co
SNAP-ON TOOLS CORP
Standard Tool Co
Star Cutter Co
Union Twist Drill Co
Union Twist Drill Co Butterfield Div
Vaco Products Co
WATERVLIET TOOL CO
Wesson Tool Co
Wickman Mfg Co
Wilson Inc K R
Zoerman-Clark Mfg Co

REAMERS, VALVE SEAT *See Valve Seat Grinders*

REAR AXLE ASSEMBLIES *See Axles, Rear Assembly*

REAR VIEW MIRRORS *See Mirrors*

REBORING BAR (FOR CYLINDER REBORE) *See Boring Bars*

RECAPPING EQUIPMENT *See Tire Recapping Equipment*

ALL-THE-WAY NEW

FORD Econoline TRUCKS

*Based on a comparison of latest available manufacturers' suggested retail delivered prices.

ALL-THE-WAY NEW TO SAVE IN 4 BIG WAYS!

New Van Turn an Econoline Van loose on your route and watch delivery costs plummet! Cargo space is up to 57 cubic feet bigger than conventional ½-ton panels! Big double doors at both rear and curb side give real load accessibility! Floor is level, too—no rear engine hump! And there's three feet less length to turn, park, or garage!

New Station Bus Nothing can match this beauty for comfort, room, and low costs! There's room to spare for eight. Converts to load hauling in just a few minutes. And what a load—twice that of the "biggest" station wagons! Best yet, it gives you up to 30 miles on a gallon, and it's priced below even compact station wagons!*

New Pickup Meet a revolutionary new pickup that saves more ways than any truck you've known! Modern cab-forward design pares away over a thousand pounds of dead weight, yet you get as much payload capacity as many standard ½-tonners! It's three feet shorter over-all, yet there's a big 7-ft. box with 73 cubic feet of loadspace! You get lively performance in a proven Falcon Six that can give up to 40% better gas mileage . . . saves up to $215 a year! And, the best news, it's priced below many standard ½-tonners!* See it at your Ford Dealer's!

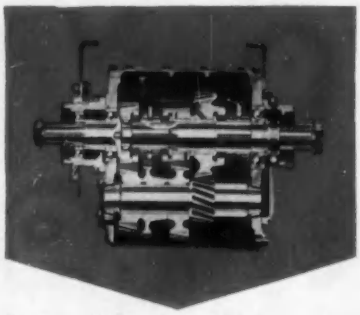
1. **Low price!** Save from the start with Ford's traditionally low prices!
2. **Up to 30 mpg!** In certified tests, the Econoline Pickup delivered 30 mpg . . . you can save as much as 40% on gas!
3. **Less dead weight!** 1050 pounds less chassis weight, yet carries over ¾-ton payloads!
4. **Bigger loadspace!** 7-ft. box—up to 23% more room, but 3 feet less truck length to handle!

FORD TRUCKS COST LESS

YOUR DEALER'S "CERTIFIED ECONOMY BOOK" PROVES IT FOR SURE!

FORD DIVISION, *Ford Motor Company,*

● More details? Circle 174 on reply card inside back cover



Specify

FULLER

Specify the

MODEL

For medium-heavy duty trucks and tractors specify the

FULLER '65 SERIES

3-SPEED AUXILIARY

- High capacity
- Widest range of ratios
- Top-mounted power take-off optional
- Low initial cost, reduced maintenance
- Available from all truck manufacturers on specification

65 SERIES (Medium-heavy-duty) RATIOS

	SPLITTER RATIOS		DEEP REDUCTION
MODEL	High	Intermediate	Low
3-A-65	.754	1.00	2.221
3-B-65	.804	1.00	1.239
3-C-65	.754	1.00	1.239
3-D-65	.804	1.00	2.221
3-E-65	.804	1.00	1.74
3-F-65	.754	1.00	1.74
3-G-65	1.00	1.32	2.221
3-H-65	1.00	1.32	1.74

Specify

Specify the MODEL

FULLER MANUFACTURING COMPANY
(Transmission Division)
KALAMAZOO, MICHIGAN
Subsidiary EATON Manufacturing Company

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

REFLECTIVE MATERIALS TO REGULATORS

RECAPPING SERVICE *See Tire Recapping Service*

RECLAIMERS, CRANKCASE OIL *See Oil Reclaimers*

RECORDERS, VEHICLE MOVEMENT *See Tachographs*

RECORDING THERMOMETERS *See Thermometers*

RECORDS, FLEET FORMS, *See Forms, Fleet Records*

REFACERS, VALVE *See Valve Refacers*

REFILLS, OIL FILTERS *See Oil Filter Cartridges*

REFLECTIVE MATERIALS

Arco Co
By-Cuck Co
MINNESOTA MINING & MFG CO
Multi-Color Process Company
Ohio Decalcomania Co
Prismo Safety Corp
Steinwachs Safety Supply

REFLECTORS, Safety

ANTHES DIV
ARROW SAFETY DEVICE CO
AUTO LAMP MFG CO
Bolser Corp
Brown Co E C
Cole Automotive Products Co
Columbus Metal Products Inc
DIETZ CO R E
DO-RAY LAMP CO
Eagle Electric Mfg Co Inc
Elastic Stop-Nut Corp of America
Electroline Mfg Co
GRIFFIN LAMP CO
GROTE MFG CO
GUIDE LAMP DIV GENERAL MOTORS CORP
Gulotta Co Charles
Hall Lamp Co C M
K-D LAMP CO DUPLAN DIV
King Bee Mfg Co
Miro-Flex Co
Norlipp Co
Ohio Decalcomania Co Excello Specialty Div
Persons-Majestic Mfg Co
Peterson Mfg Co
S&M Lamp Co
Safety-Signals Sales Co
SIGNAL-STAT CORP
SPARTON AUTOMOTIVE DIV
Speaker Corp J W
Steinwachs Safety Supply
Stimsonite Div
UNITED MOTORS SERVICE
Vari-Products Co
Wheel Parts & Mfg Co
YANKEE METAL PRODUCTS CORP

REFRIGERATION SYSTEMS Truck & Trailer

American Mfg Co
Carrier Corp
Coldmaster Div
Dole Refrigerating Co
Flex-Temp Div
Foster-Built Bunkers Inc
FRANK-DEWEY CO
Frigikar Corp
General Dynamics Corp Liquid Carbonic Div
HUNTER MFG CO
KOHLER CO
Kold-Hold Div
Linde Div
McGRAW EDISON CO TRANSPORTATION COOLING DIV
PURE CARBONIC CO
THERMO KING CORP
Transicold Corp
Tru Kooler Div
York Div Borg-Warner Corp

REFRIGERATION COMPONENTS

Air Induction Corp
Autac Inc
Brunner Div
Copeland Refrigeration Corp
Frigidaire Div
GENERAL ELECTRIC CO
Keco Industries Inc
Kemi-Kold Corp
Lehigh Mfg Co Div
Preco Inc
Tecumseh Products Co

REFRIGERATION CONTROLS

Controls Co of America
Dole Refrigerating Co
General Controls Co
The Partlow Corp

REFRIGERATOR HOSE *See Hose, Refrigerator*

REGROOVERS, TIRE *See Tire Regroovers*

REGULATORS, Current & Voltage

Alemite Div
American Bosch Arma Corp
American Motor Products Co
Arrow Armature Co
BOSCH CORP ROBERT
COLE-HERSEE CO
DELCO-REMY DIV
ECHLIN MFG CO
ELECTRIC AUTOLITE CO
F & B MFG CO
FORD DIV FORD MOTOR CO

Geared by Fuller . . . Transcon's White-Freightliner Tractors, featuring Cummins NH-220 Diesel Engines and Fuller 5-CA-72 5-speed Transmissions, help speed shipments along routes extending from the Pacific Coast as far east as Chicago and Atlanta.

Lightweight Freightliners boost transcon's payloads with 5-CA*-72 transmissions

** Aluminum case and clutch housings.*

To combine maximum performance with increased payloads, Transcon Lines, Los Angeles, recently purchased 100 White-Freightliner Diesel Tractors equipped with Fuller 5-CA-72 Transmissions. The 5-speed Transmissions help Transcon carry bigger payloads because the aluminum alloy case and clutch housing of the 5-CA-72 cut transmission weight 93 pounds.

The Fuller Transmissions have proven reliable, too. Transcon has been able to extend preventive maintenance transmission rebuild cycles from 150,000 to 275,000 miles because of trouble-free 5-CA-72s.

Transcon's satisfaction with the 5-speed lightweight transmissions is emphasized by the fact that the company's line equipment is equipped entirely with Fuller Transmissions.

Ask your truck dealer about the Fuller which is engineered to put more profit in *your* operation.

FULLER TRANSMISSION DIVISION
MANUFACTURING COMPANY
KALAMAZOO, MICHIGAN
Subsidiary EATON Manufacturing Company

Unit Drop Forge Div., Milwaukee 1, Wis. • Shuler Axle Co., Louisville, Ky. (Subsidiary) • Sales & Service, All Products, West. Dist. Branch, Oakland 6, Cal. and Southwest Dist. Office, Tulsa 3, Okla. Automotive Products Company, Ltd., Automotive House, Great Portland Street, London W.1, England, European Representative

NEW BOSTROM®

Viking* T-bar

SUSPENSION SEAT

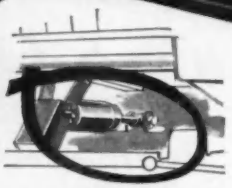
New contour seats for fatigue-resisting, anti-back-scrub seating. Attractive styling.

*Trade-Mark

New special alloy steel torsion bar spring, adjustable to individual driver's weight.

New design stability with side-braced seat platform, heavy-gauge steel parts.

New ease of maintenance with low-load, long-life bearings—lubrication becomes part of program.



New built-in, double-acting shock absorber automatically dampens extra-rough road shock.

New compactness and lower profile for easy installation in cab-forward and COE tractors.

Here's truck riding that protects your investment in men and equipment . . . helps you deliver cargo more profitably. Why? Because you reduce driver fatigue to a bare minimum with this "human-engineered" Viking T-BAR Suspension Seat. Road shock, vibration, jolts, jars, back rub and poor posture practically disappear. You gain maximum driver efficiency and productivity . . . increase safety, driver well-being and morale.

Rigorous laboratory and road tests proved the increased value of the new Viking T-BAR Seat. Now prove this value to yourself by replacing your old seats and specifying the new Viking T-BAR on your new trucks.

BOSTROM CORPORATION • 133 WEST OREGON STREET • MILWAUKEE 4, WISCONSIN 25 IN OUR 25TH YEAR

FOR IMPROVED RIDING AND SERVICE, SEE THESE BOSTROM STOCKING DISTRIBUTORS

Alabama—Birmingham
Truck Equipment, Inc., 930 Sixth Ave., S.

California—Los Angeles
Harval Truck Equip., 1000 E. 8th St.
Lambert Company, Ltd., 1202 E. Olympic Blvd.

California—Sacramento
Truck Parts & Equip. Co., 400 N. 16th St.

Georgia—Atlanta
William & Harvey Rowland of Georgia, Inc.
449 Marietta, N.W.

Hawaii—Hilo
Hilo Equip. Mfg. Co., 1717 Kamehameha Ave.

Idaho—Pocatello
Transport Equipment Co., 624 E. Benton St.

Illinois—Peoria
Truck Equipment Co., 2021 S.Washington St.

Indiana—Fort Wayne
Ernst Truck Equip., Inc., 2727 McDonald St.

Indiana—Indianapolis
Indiana Wheel & Rim Co., Inc.
1340 N. Senate Ave.

Maine—Portland
Palmer Spring Company, 355 Forest Ave.

Massachusetts—Somerville
Brake & Electric Sales Corp., 214 Mystic Ave.

Michigan—Detroit
Pezzani & Reid Equip. Co., 3960 W. Fort St.

Michigan—Grand Rapids
Allied Truck Equipment Co.,
1516 28th St., S. W.

Minnesota—St. Paul
The Wheel Service Co., 2375 University Ave.

Missouri—Kansas City
Borbein, Young & Co., 2526 Campbell St.

North Carolina—Greensboro
Southern Air Brake & Equipment Company
3729 Highpoint Rd.

North Dakota—Fargo
The Wheel Service Co., 1917 Main Ave.

Ohio—Akron
Motor Rim Mfg. Co., 153 Wooster Ave.

Oklahoma—Tulsa
Truck Parts & Equipment Co.
2120 Southwest Blvd.

Pennsylvania—Philadelphia
Transport Equipment Co., 2215-17 Race St.

Utah—Salt Lake City
Transport Equip. Center, 551 South 1st, W.

Wisconsin—Milwaukee
Brake & Equipment Co., 5225 W. State St.

Bostrom Suspension Seats are also available at other parts distributors throughout the country—and at all truck branches and dealers.

BOSTROM CORPORATION
133 WEST OREGON STREET
MILWAUKEE 4, WISCONSIN

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

REGULATORS, FUEL PRESSURE TO RIDGE REAMERS

REGULATORS, Current & Voltage—*continued*

Guaranteed Parts Co
Hanson Co Harvey E
HOLLEY CARBURETOR CO
Kal-Equip Co
Kem Mfg Co
KING-SEELEY DIV
LEECE-NEVILLE CO
MOPAR DIV CHRYSLER CORP
MOTORCRAFT
National Ignition Mfg Co
Niehoff & Co C E
P & D MFG CO
Paragon Products Corp
Preferred Electric & Wire Co
R-B-M Controls Div
Shurhit Products Inc
STANDARD MOTOR PRODUCTS INC
Stan-Test Div
Switches Inc
Tasco Products Div
Templeton Co The
UNITED MOTORS SERVICE
Vaco Products Co
Wheel Parts & Mfg Co

REGULATORS, Fuel Pressure

A C SPARK PLUG DIV
Accurate Products Inc
Alondra Inc
American Liquid Gas Corp
Beam Products Mfg Co
CENTURY GAS EQUIPMENT MARVEL-SCHEBLER PRODUCTS DIV
Engine Accessories Mfg Co
Ensign Carburetor Div
J & S Carburetor Co
Milesmaster Inc of America
ZENITH CARBURETOR DIV

REGULATORS, HUMIDITY *See Humidity Regulators*

RELAYS, Electrical

American Motor Products Co
COLE-HERSEE CO
DELCO-REMY DIV
ECHLIN MFG CO
ELECTRIC AUTOLITE CO
F & B MFG CO
Grover Products Co
Guaranteed Parts Co
Jubilee Mfg Co
LEECE-NEVILLE CO
Niehoff & Co C E
P & D MFG CO
Paragon Products Corp
Pollak Corp Joseph
Preferred Electric & Wire Co
R-B-M Controls Div
Sorensen Mfg Co P
SPARTON AUTOMOTIVE DIV
STANDARD MOTOR PRODUCTS INC
Stan-Test Div
Tasco Products Inc Div
Ward Leonard Electric Co
Wheel Parts & Mfg Co

REMOVERS, PAINT *See Paint Removers*

RENTAL CARS & TRUCKS *See Leasing Companies (Nationwide)*

REPAIR COMPOUNDS, RADIATOR & BLOCK *See Radiator Sealing Compounds*

RESISTORS, IGNITION *See Ignition Parts*

RETARDERS

Auto Specialties Mfg Co Inc
Fawick Brake Div
PARKERSBURG RIG & REEL CO
Power Brake Equipment Co
Thompson Products Replacement Div
WAGNER ELECTRIC CORP

REPLACEMENT PARTS

Accurate Products Inc
DANA CORP
DELCO-REMY DIV
Ideal Corp
Jambor Tool & Stamping Co
Johnson Bronze Co
K-D LAMP CO DUPLAN DIV
MOPAR DIV CHRYSLER CORP
MOTORCRAFT
Thompson Products Replacement Div
UNITED MOTORS SERVICE
United Parts Div
WOHLERT CORP

RETAINERS, OIL AND GREASE *See Oil Seals*

RETREADING EQUIPMENT *See Tire Recapping Equipment*

RIDGE REAMERS

All-Power Mfg Co
AMMCO TOOLS INC
Beard Tool Co L O
Burd Piston Ring Co
Cornwell Quality Tools Co
HALL-TOLEDO INC
HASTINGS MFG CO

To NAVAJO Freight it means money saved

to have a Standard Oil man on their account

Money saved. Navajo Freight Lines has the equivalent of a skilled lubrication specialist working for them, but he's not on the payroll. He is Don Nelson of Standard Oil. This is savings No. 1. Navajo recently opened an impressive Kansas City terminal. New International tractors with Cummins diesel engines were put on runs between Kansas City and Chicago, St. Louis, Albuquerque, Amarillo, Wichita, Denver and other points west as far as Los Angeles and San Francisco. Don Nelson worked with Navajo men to select the best lubrication for this equipment, establish drain practices and arrange for deliveries of motor oil, grease and diesel fuel. This way he helped the company put equipment in service so that it would stay in service and produce revenue for the line. That's savings No. 2.

More savings. Besides the experience and the ability to give worthwhile technical service, Don Nelson had the products to back him up. STANOLUBE S-1 Motor Oil was recommended for all equipment. It has twice the detergency of many other oils. And STANOLUBE S-1 is equal to the toughest tests the Navajo equipment can give it. Its use results in less piston deposits, reduced sludge, longer valve life and cleaner engines with less wear.

How you can save. Get the help of a Standard Oil lubrication specialist. Call the Standard Oil office near you in any of the 15 Midwest or Rocky Mountain states. Or write **Standard Oil Company (Indiana), 910 South Michigan Avenue, Chicago 80, Illinois.**

Standard's Don Nelson talks over lubrication scheduling with Douglas Jones, Navajo's Kansas City general manager. More than four years' experience with Standard, plus an engineering degree from the University of Iowa, qualify Don to work on lubrication problems.

Quick facts about
STANOLUBE S-1 Motor Oil

- Finest quality base stock.
- Detergent-dispersant additive controls severe deposit and wear problems.
- Antioxidant controls oxidation, prevents bearing corrosion, minimizes wear.

You expect more from STANDARD *and you get it*

● More details? Circle 177 on reply card inside back cover

Bill Gregory, Navajo's general superintendent of equipment and Don inspect injector system on new Cummins engine. Don worked with Bill Gregory to develop servicing schedules.

INVEST 4 CENTS

find out how to get performance that means true economy in industrial workwear and uniforms!

Let an experienced Lee consultant give you *all the facts* on the garments best suited to your requirements. The Lee line (largest in the industry), including Shirts and Pants, Jackets, Union-Alls, Service Coats and others, makes it possible to provide each department in any industry with the right garments for the job.

We have proved to dollar-conscious management everywhere that Lee performance delivers big returns on employee morale, safety, long wear, comfort, good looks. Let your nearby Lee man show you the record.

WRITE TODAY TO
INDUSTRIAL DIVISION
H. D. LEE COMPANY
117 WEST 20th STREET
KANSAS CITY 41, MO.

Lee

More details? Circle 178 on reply card

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

RING GEAR RIVETING JIGS TO SAND BLASTERS

RIDGE REAMERS—*continued*

KENT-MOORE ORGANIZATION INC
Lisle Corp
McQUAY-NORRIS MFG CO
National Machine & Tool Co
New Britain Machine Co Hand Tools Div
SNAP-ON TOOLS CORP
Sweeney Mfg Co B K
Zim Mfg Co

RIMS, WHEEL *See Wheel Rims*

RING COMPRESSORS *See Piston Ring Compressing Tools*

RING EXPANDERS *See Piston Ring Expanders*

RING GEARS, FLYWHEEL *See Flywheel Ring Gear*

RING GEARS & PINIONS *See Axles Ring Gear & Pinion*

RING GEAR RIVETING JIGS

ACF Electronics Div
Cleco Air Tools Div
General Mfg & Engrg Co
KENT-MOORE ORGANIZATION INC
Lempco Products Inc
Manley Div

RINGS, PISTON *See Piston Rings*

RIVETING GUN

ACF Electronics Div
Avdel Inc
Brown Line Corp
CHICAGO PNEUMATIC TOOL CO
Chicago Rivet & Machine Co
Cleco Air Tools Div
General Mfg & Engrg Co
Grant Mfg & Machine Co
Hanna Engineering Works
Hannifin Corp
High Speed Hammer Co
Hydraulic Press Mfg Co
Independent Pneumatic Tool Co
INGERSOLL-RAND CO
Lemert Engr Co
Lempco Products Inc
MARSON CORP
National Rivet & Mfg Co
"Pop" Rivet Div
Power Brake Parts Mfg Co
Star Machine Tool Co
Thor Power Tool Co

RIVETING MACHINE *See Brake Riveting Machine*

RIVETS

Avdel Inc
Bowman Products Co
Fastex Div
Goodrich Industrial Products Co B F
GREY-ROCK DIV
Hi-Shear Rivet Tool Co
Huck Mfg Co
MARSON CORP
"Pop" Rivet Div
RAYBESTOS DIV
SOUTHCO DIV
Star Expansion Industries
TOWNSEND CO
Tubular Rivet & Stud Co
United Shoe Machinery Corp
WORLD BESTOS DIV

ROAD SWEEPERS

Allis-Chalmers Mfg Co
Austin-Western Works Div
Columbia Engineering Service Co
Elgin Sweeper Co
Esiez Manufacturing Co
Frink Sno-Plows Inc
Hough Co Frank G
Laitner Brush Co
Little Giant Products Inc
Wilshire Power Sweeper Co

RODS, CONNECTING *See Connecting Rods*

ROLLERS, Highway Construction

Acme Iron Works
Austin Western Works Construction Equipment Div
Browning Manufacturing Co
Buffalo-Springfield Roller Co
C H and E Manufacturing Co
Huber-Warco Co
Seaman-Gunnison Corp
Shovel Supply Co
Standard Steel Works Inc
Tampo Manufacturing Co

ROTORS, DISTRIBUTORS *See Ignition Parts*

RUBBER MOUNTINGS, INSULATED *See Mountings, Insulated*

RUBBING COMPOUNDS *See Compounds, Rubbing & Polishing*

RUST INHIBITORS, RADIATOR *See Radiator Rust Inhibitors*

SAFETY BELTS *See Seat Belts*

SAFETY FLARES *See Flares, Emergency*

SAFETY FUSEES *See Fusees*

SAFETY GLASS *See Glass*

SAND BLASTERS

ALC COMPANY
Grover Products Co
Handi-Blast Div
Sellers Injector Corp
SNAP-ON TOOLS CORP
Techline Div
Tobin-Arp Mfg Co
Vapor Blast Mfg Co
White Industrial Div S S

"I haven't had to chain up in 3 years, thanks to Gates Tandematic Drive"

...says Charles Worthman, owner-driver for Worthman Trucking, Inc., Denver, Colorado.

Specially hardened Red Groove Pulley

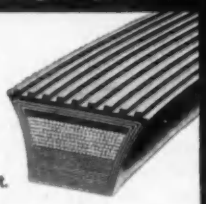
Has more than 3 times greater life than ordinary pulleys. (Gates Red Grooves have a hardness rating from 430 to more than 600 on the Brinell hardness scale.)

Roll-on feature (U.S. Patent No. 2,913,915): Split construction permits pulley groove to be offset, so belt can be rolled on at high tension easily and safely.

Self-cleaning: Open design insures peak operating efficiency at all times.

Gates Tandematic Drive gives you BOTH

Rib-Top V-Belt



Protective ribbed top: Resists sandblast effects from wheels.

Flex-Weave cover: Protects vital core of belt.

Concave sidewalls: Concave sides increase belt life.

Special tensile cord construction: Greater resilience of Gates tougher tensile cords enables belt to absorb shocks and carry extra heavy loads.

Chuck Worthman has been hauling lumber over the Continental Divide for 25 years. That's rough duty anytime—but especially in winter. Always on the lookout for ways to make his rig safer and easier to drive on these tough hauls, Chuck bought a Gates Tandematic Drive three years ago.

"The Gates Drive was easy to install," Mr. Worthman tells us. "I put it on my rig myself. And I leave the drive on all year around for safer and more positive braking. That's a must on mountain passes. With the Gates drive I make good time over the passes on every haul—winter and summer—when other rigs are stuck or creeping. *In three years I've never even had to 'chain up.'*

"Also, I've found that I can haul a bigger load since I put on the Tandematic. I was carrying about 33,000 pounds of lumber when the picture was taken on Loveland Pass.

"I've got better than 200,000 miles on the present belt. It's still going strong. And I've noticed that my tires are lasting much longer."

The Gates Rubber Co., Denver, Colorado
Gates Rubber of Canada Ltd.
Brantford, Ontario

World's Largest Maker of V-Belts

Gates®

Gates Tandematic Drive

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

SANDERS, ELECTRIC TO SCREW DRIVERS

SANDERS, Portable Electric

ALBERTSON & CO
Aro Equipment Corp
BIG FOUR INDUSTRIES INC
Bishman Mfg Co
BLACK & DECKER MFG CO
Buckeye Tools Corp
CHICAGO PNEUMATIC TOOL CO
Chicago Tool & Kit Mfg Co
Chicago Wheel & Mfg Co
Cincinnati Electrical Tool Co
Cummins Portable Tools Div
Detroit Surfacing Machine Co
EGAN MFG CO H B
General Supply Co
INGERSOLL-RAND CO
Lee Co K O
Millers Falls Co
Milwaukee Electric Tool Co
National-Detroit Inc
Precise Products Corp
Porter-Cable Machine Co
Pratt & Whitney Co
Remington Arms Co
Rotor Tool Co
Signal Mfg Co
Skil Corp
SNAP-ON TOOLS CORP
Speed Way Mfg Co
Stanley Electric Tools Div
STOW MFG CO
Sundstrand Machine Tool Div
Super Mold Corp
Thor Power Tool Co
U S Electrical Motors Inc
United States Electrical Tool Co
Weller Electric Co
Wilson Inc K R

SANDERS, Portable Pneumatic

Airetool Mfg Co
ALBERTSON & CO
Aro Equipment Corp
Buckeye Tools Corp
CHICAGO PNEUMATIC TOOL CO
Cleco Air Tools Div
Cless Div
Detroit Surfacing Machine Co
Gardner-Denver Co
INGERSOLL-RAND CO
Madison-Kipp Corp
Master Pneumatic Tool Co
National-Detroit Inc
Onsrud Machine Works Inc
Rotor Tool Co
Skil Corp
SUNDSTRAND HYDRAULIC DIV
Thor Power Tool Co
WATERVLIET TOOL CO
Wilson Inc Thomas C

SANDERS, Vehicle Traction
(Advertisers Only)

ELSTON CO RUE R
NAPCO INDUSTRIES INC

SANDPAPER & DISCS

ALBERTSON & CO
Abrasive Co of America
Armour Coating Abrasives Div
BARRETT EQUIPMENT CO
Bay State Abrasive Products Co
Behr-Manning Corp
Besley-Welles Corp
BLACK & DECKER MFG CO
Carborundum Co
Clover Mfg Co
Kindt-Collins Co
Manhattan Rubber Div
Mid-West Abrasive Co
MINNESOTA MINING & MFG CO
Modern Atlas Corp
Norton Co
Permacel
Rhodes & Co James H
Sandusky Abrasive Wheel Co
Skil Corp
SNAP-ON TOOLS CORP
WATERVLIET TOOL CO

SAWS, Portable Electric

ALBERTSON & CO
BLACK & DECKER MFG CO
CHICAGO PNEUMATIC TOOL CO
Chicago Tool & Kit Mfg Co
Cummins Portable Tools Div
Key-Hak Div
Millers Falls Co
Milwaukee Electric Tool Co
Modern Mfg Co
Portable Electric Tools Inc
Porter-Cable Machine Co
Remington Arms Co
Skil Corp
SNAP-ON TOOLS CORP
Speed Way Mfg Co
Stanley Electric Tools Div
Thor Power Tool Co
Wells Mfg Corp

SAWS, Portable Pneumatic

CHICAGO PNEUMATIC TOOL CO
INGERSOLL-RAND CO
Key-Hak Div
Skil Corp
Thor Power Tool Co

SCALES, Terminal

Bonded Scale & Machine Co
Buffalo Scale Co
Chatillon & Sons John
Detecto Scales Inc Div
Dillon & Co Inc W C
Exact Weight Scale Co
Fairbanks Morse & Co
Howe Scale Co
Toledo Scale Div

SCALES, Vehicle

Buffalo Scale Co
Cemco Industries Inc
Chatillon & Sons John
Detecto Scales Inc Div
Dillon & Co Inc W C
Fairbanks Morse & Co
Howe Scale Co
Power Brake Equipment Co
Toledo Scale Div

SCHOOLS, Diesel Mechanics
(Advertiser Only)

INTERSTATE TRAINING SERVICE

SCRAPERS, Highway
(See also Graders)

Allis Chalmers Mfg Co
Euclid Div
INTERNATIONAL HARVESTER CO
Jaeger Machine Co
LeTourneau-Westinghouse Co
The Oliver Corp
Wooldridge Manufacturing Div

SCREW DRIVERS, Portable Electric

ALBERTSON & CO
BLACK & DECKER MFG CO
CHICAGO PNEUMATIC TOOL CO
Chicago Tool & Kit Mfg Co
INGERSOLL-RAND CO
KENT-MOORE ORGANIZATION INC
Mall Tool Co
Millers Falls Co
Milwaukee Electric Tool Co
Remington Arms Co
Skil Corp
Stanley Electric Tools Div
Thor Power Tool Co
United States Electrical Tool Co
Vaco Products Co

SCREW DRIVERS, Portable Pneumatic

Airetool Mfg Co
ALBERTSON & CO
Aro Equipment Co
Buckeye Tools Corp
CHICAGO PNEUMATIC TOOL CO
Cleco Air Tools Div
Dixon Automatic Tool Inc
Gardner-Denver Co
INGERSOLL-RAND CO
Mall Tool Co
Master Pneumatic Tool Co
Remington Arms Co
Rotor Tool Co
Shakeproof Div
Skil Corp
Thor Power Tool Co
United Shoe Machinery Corp

SEALED BEAM UNITS *See Lamps, Sealed Beam*

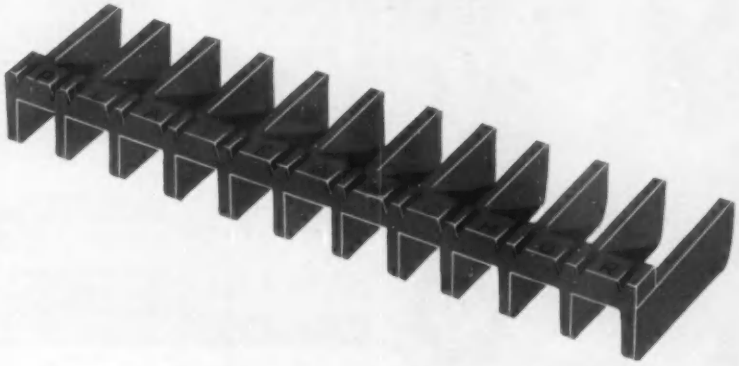
SEALERS, BODY COMPOUNDS *See Body Sealing Compounds*

SEALERS, RADIATOR *See Radiator Sealing Compounds*

SEALING COMPOUNDS, WINDSHIELD *See Windshield Sealing Compounds*

SEALS *See Oil Seals*

born only for shake, rattle and roll!



Galloping cubes are great for gamblers. But, if you are one of those who can't afford to gamble on battery performance, the odd-shaped red object immediately above should be more interesting. It was designed to prevent damage by vibration to *Willard Tractor-Commercial Batteries*. It has proved to be a winner.

It's the *Willard Plate Anchor*, born to help our batteries take the shake, rattle and roll which sends ordinary batteries in commercial service to early doom. Positioned on top at both ends of each cell, this comb-like plastic device keeps plates in place with non-binding pressure, lets them ride without damage through the jars and jolts of severe service. Many customers say it's the reason Willards last two to three times longer.

Now there's another new feature—*Formula 57*, a radically modern development of our laboratories. It's the basis of an unusual manufacturing process, producing plates that remain chemically active even though the battery may be subjected to extreme undercharge conditions. It guards against the ravages of sulfation, permits Willard batteries to hold their charge longer, extends battery life even beyond previously high expectantcy.

Today, when you specify Willards—ten sizes to fit all needs—there's no need to worry about vibration and sulfation. Today, with the Willard Direct Billing Fleet Plan, you also get the advantages of local availability, factory billing, guaranteed prices and operating cost. *Willard Storage Battery Division, The Electric Storage Battery Company, Cleveland 1, Ohio.*

Willard

THE ONLY BATTERY WITH PLATE ANCHOR AND FORMULA 57

● More details? Circle 180 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

SEATS, BUS TO SEAT CUSHIONS

SEATS, Bus

American Seating Co
Amesbury Seat Mfg Co
Dek Mfg Co
Flxible Co

FORD DIV FORD MOTOR CO

Freedman Co Hyman
General Seating Co
Goodrich Chemical Co B F

GOODYEAR TIRE & RUBBER CO

Milsco Mfg Co
Molded Fiber Glass Companies
National Seating Co
Rigidized Metals Corp

UNITED STATES RUBBER CO

SEATS, Truck

American Metal Products Co
American Seating Co

BOSTROM CORP

Flexible-Air Seat Corp
Comfort Cushion Co

FORD DIV FORD MOTOR CO

Freedman Co Hyman
Gass Industries H A
General Seating Co

GOODYEAR TIRE & RUBBER CO

Milsco Mfg Co
Monroe Auto Equipment Co
National Seating Co

UNITED STATES RUBBER CO

350 H. P.
M-5
CONVERTER

...FOR MEDIUM AND HIGH H.P. ENGINES

★ **350 H.P. CAPACITY PLUS**
New internal design features including special surface treatment of aluminum housing permits this high H.P. output

★ **ONLY 6 INCH IN DIAMETER**
New space saving advantages. The M-5 is the smallest size converter of this capacity available

★ **EASIER STARTING**
A newly designed compound leverage system provides high sensitivity without increasing size of diaphragm

★ **MANY MORE NEW FEATURES . . . WRITE FOR COMPLETE DETAILS TODAY**

3C Certified Carburetion Technician

CENTURY®
LP-GAS CARBURETION

Export Sales: Sin Par Automotive Div
Singer Products Co.
95 Broad Street
New York 4, N. Y.

BW
CENTURY GAS EQUIPMENT
Marvel-Schebler Products Div.
Borg-Warner Corporation
Decatur, Illinois

SEAT BELTS

Aero Safety Equipment Co
American Safety Equipment Co
Auto-Craft Mfg Co Div
Beam's Mfg Co
Bullard Co E D
Bunke-Musser Inc

FORD DIV FORD MOTOR CO

HASTINGS MFG CO

Hickok Mfg Co
Hinson Mfg Co
International Mfg Co
Irving Airchute Co
Mine Safety Appliances Co

MOPAR DIV CHRYSLER CORP

Narrow Fabric Co
Rupert Safety Belts Div
Russell Mfg Co
Schiegel Mfg Co

SPARTON AUTOMOTIVE DIV

Stebco Industries Inc
Steinwachs Safety Supply
Sturges Mfg Co
Wilson Co

SEAT COVERS

Crawford Mfg Co Inc

FORD DIV FORD MOTOR CO

Jax Mfg Co

SEAT CUSHIONS

Armour Cushioning Products Div
Barkow Co H

BOSTROM CORP

Dunlop Tire & Rubber Corp

FIRESTONE RUBBER AND LATEX PRODUCTS CO

FORD DIV FORD MOTOR CO

Freedman Co Hyman
General Seating Co
Goodrich Co B F Sponge Prods Div

GOODYEAR TIRE & RUBBER CO

Hewitt-Robins Inc

HUPPOWER DIV

New York Rubber Corp
No-Sag Spring Co
Ortho-Dynamics Inc

REYNOLDS MFG CO

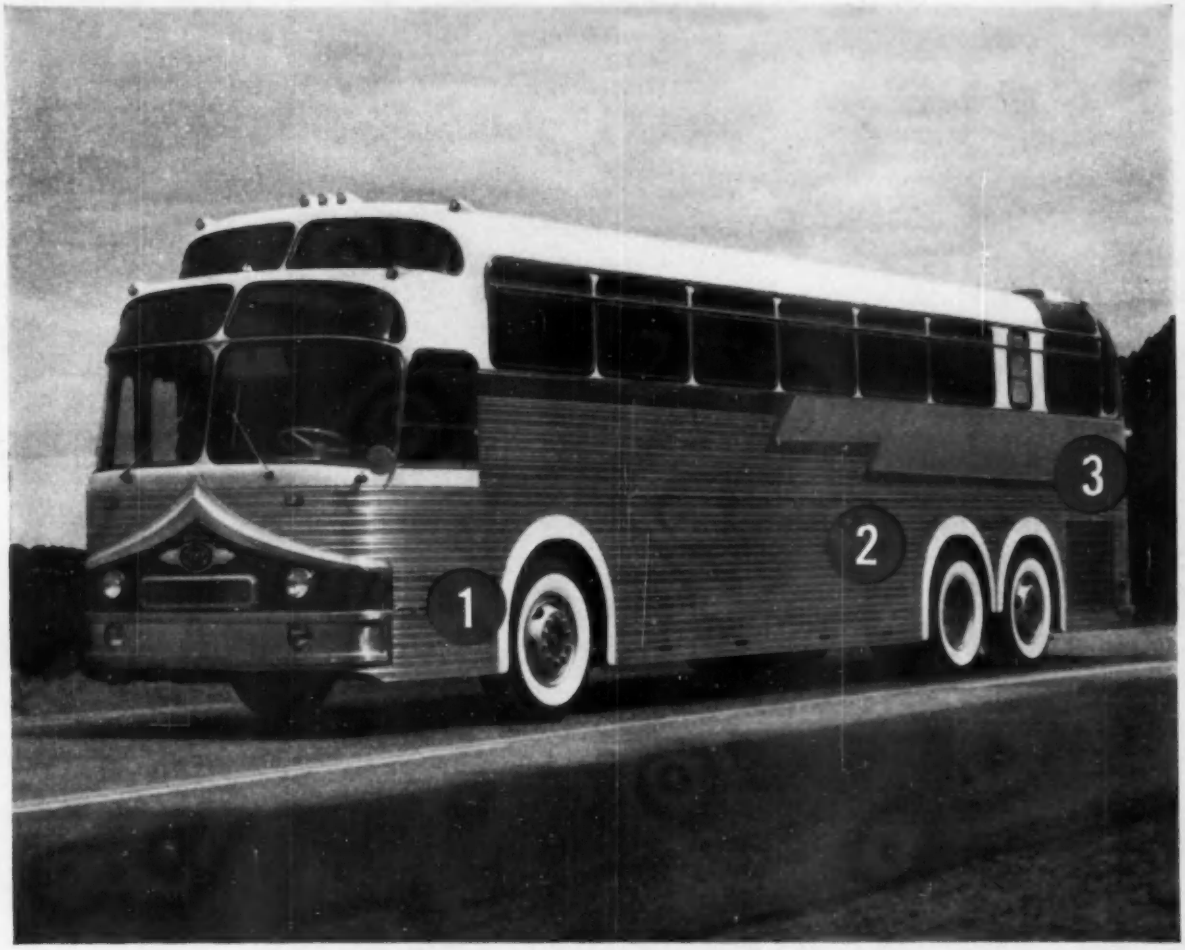
Standard Carriage Wks Inc

UNITED STATES RUBBER CO

SEATS, VALVE *See Valve Seats*

SHACKLES, SPRING *See Spring Shackles*

● More details? Circle 181 on reply card inside back cover



Esso Lubes and Fuels help boost miles-per-dollar

1. **TAKE MULTI-PURPOSE GREASE H** for example . . . Lubricates *every* bus or truck grease point. Reduces wear, adheres tightly to metal, seals out dust, stays put under heavy loads, rough roads, rain.

2. **TAKE ESSO DIESEL FUEL** — delivers the power needed for long hills, with uniform ignition and burning characteristics. Provides excellent injector lubrication. Low sulfur content, low gum residue, too.

3. **TAKE NEW ESSOLUBE®HDX.** This heavy-duty crankcase oil holds down maintenance costs in high-speed diesel and heavy-duty gasoline engines . . . minimizes sludge formation at low temperatures and varnish formation at high temperatures . . . delivers excellent anti-wear and corrosion protection to heavily loaded parts.

Esso

Find out more about cost-saving Esso products, and about the helpful Esso Fleet Check System of preventive maintenance, by contacting your nearest Esso office, or by writing Fleet Engineering Service, Room 454, Esso Standard, Division of Humble Oil & Refining Company, 15 West 51st St., New York 19, N. Y.

In industry after industry..."ESSO RESEARCH works wonders with oil"

● More details? Circle 182 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

SHEARS, PORTABLE TO SHOCK ABSORBERS

SHAFTING, FLEXIBLE *See Flexible Shafting*

SHAFTS, AXLE *See Axle Shafts*

SHAFTS, PROPELLER *See Propeller Shafts*

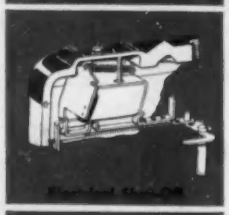
SHAFTS, TRANSMISSION *See Transmission Gears & Shafts*

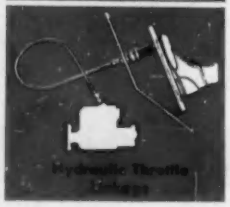
SHEARS, Portable Electric

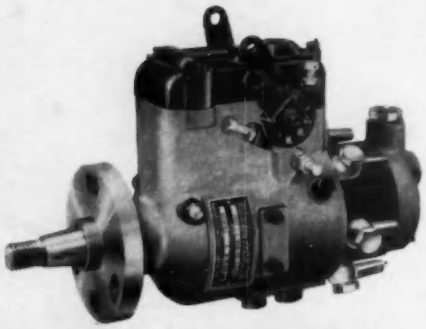
BLACK & DECKER MFG CO

Millers Falls Co
Milwaukee Electrical Tool Corp
P-F Automotive Div
Skil Corp
Stanley Electric Tools Div
Thor Power Tool Co

A few accessories that add versatility:







ROOSA MASTER

Most Versatile

FUEL INJECTION PUMP

Diesel engine manufacturers, their designers and engineers are specifying ROOSA MASTER because they know that it is the most versatile. There are many reasons for selecting this pump. Here are just a few:

- VERSATILE because of the variety of built-in, space saving, accessories demanded by modern diesel engine design. Roosa Master can provide more compact, lower cost, complete units to meet many different applications.
- VERSATILE because only one size pump serves either a 2, 3, 4, 6, or 8 cylinder, 2 or 4 cycle, small or large displacement engine . . . and only Roosa Master can be mounted vertically or horizontally.
- VERSATILE because it is applicable to automotive, construction, farm, generator, marine and stationary equipment guaranteeing dependable, economical service. Write for further information.

HMS ROOSA MASTER makes good diesels better

HARTFORD MACHINE SCREW CO., HARTFORD 2, CONN.
DIVISION OF STANDARD SCREW COMPANY

SHIMS & SHIM STOCK

Acme Mfg & Gasket Co
Allmetal Screw Products Co
Andrew Parts Mfg Co
Bee Line Co
Bender Equipment Co J H
Blaisdell Mfg Co
Champ-Items Inc
Chase Brass & Copper Co
Detroit Stamping Co

FEDERAL-MOGUL SERVICE DIV

FITZGERALD MFG CO

Gasket Packing & Specialty Co
Jambor Tool & Stamping Co

JOHNS-MANVILLE PACKINGS & FRICTION MATERIALS DIV

Keystone Gasket Mfg Co
Kickhaefer Mfg Co
Konigslow Mfg Co
Laminated Shim Co
McCord Corp

McQUAY-NORRIS MFG CO

NATIONAL SEAL DIV

PERFECT CIRCLE CORP

Perfect Equipment Corp
Precision Steel Warehousing
Rotax Mfg Co
Simonds Saw & Steel Co
Standard Supply Co
Templeton Co The
United Screw & Bolt Corp

VICTOR MFG & GASKET CO

Whitehead Stamping Co
Wisconsin Gasket & Mfg Co

SHIMS, Axle Caster & Camber

Accurate Products Inc
Arn-Wood Co
John Bean Div

BEAR MFG CO

Bee-Line Co
Bender Equipment Co J H
Bennett-Feragen
D & O Mfg Co

FEDERAL-MOGUL SERVICE DIV

FORD DIV FORD MOTOR CO

Houser Engrg & Mfg Co
Hunter Engrg Co
Kwik-Ezee Inc
Loock & Co R J
Manbee Equip Div
Moog Industries Inc
Morgan Wheel & Equipment Co
Perfect Equipment Corp
Plumbium Mfg Corp
Servwell Products Co
Snugl Wheel Weight Mfg Co
Turner Mfg Co
Vanco Products Inc

SHOCK ABSORBERS

Blackstone Mfg Co
Briggs Shock Absorber Co

DELCO PRODUCTS DIV

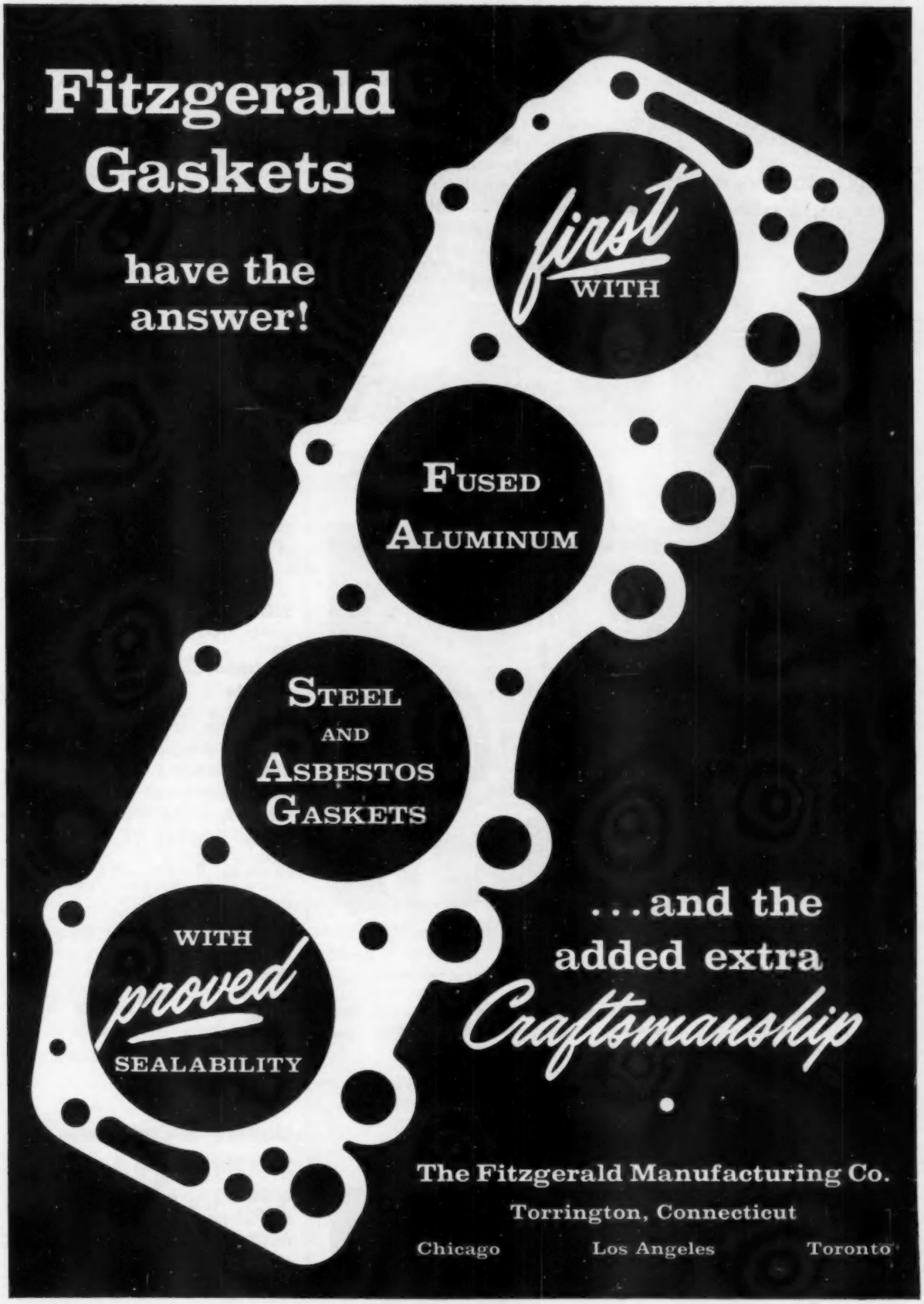
FORD DIV FORD MOTOR CO

Gabriel Co
Gilpak Automotive Products Div
GorDag Industries Inc
Heckethorn Mfg & Supply Co
Houdaille Industries Inc Buffalo Hydraulics Div
Inertia-Matic Inc
Monroe Auto Equipment Co
Moog Industries Inc

MOPAR DIV CHRYSLER CORP

Republic Engrg & Mfg Co

● More details? Circle 183 on reply card inside back cover



● More details? Circle 184 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

SHOCK ABSORBERS TO SIGNALS, Low Oil Pressure

SHOCK ABSORBERS—*continued*

Thompson Products Replacement Div
Toledo Steel Products Div

SHOCK ABSORBER FLUID *See Brake Fluid*

SHOCK ABSORBERS
(With Booster Spring)

FORD DIV FORD MOTOR CO
Monroe Auto Equipment Co
MOPAR DIV CHRYSLER CORP
Perfection Automotive Products Corp
Thompson Products Replacement Div
Toledo Steel Products Div

SHOCK ABSORBER LINKS

Accurate Products Inc
Badger Mfg Corp
Champ-Items Inc
FORD DIV FORD MOTOR CO
Houdaille Industries Inc Buffalo Hydraulics Div
McQUAY-NORRIS MFG CO
Moog Industries Inc
Thompson Products Replacement Div
Toledo Steel Products Div
Trayer Products Inc
WOHLERT CORP

SHOES, BRAKE *See Brake Shoes*
SHUTTERS, RADIATOR *See Radiator Shutters*

Excessive Speed is a thief

An insidious cause of abnormal motor maintenance cost can be excessive engine speed. Here's Why:

At excessive speeds—

- *Conn. rod bearing stresses are even higher than those encountered under peak torque operation.*
- *Oil pump capacity falls off just when more lubrication is needed.*
- *Valve train stresses build up rapidly. The result—tappet pitting, undue crankshaft wear and valve head failure.*
- *Rapid wear of both pistons and rings.*

You can protect your maintenance budget against these costly attacks by installing effective engine-speed governors. And at the same time make important savings on gasoline, oil and tires.

Handy Vari-Speed Governors will do the job.

KS KING-SEELEY CORPORATION
ANN ARBOR, MICHIGAN
WORLD'S LARGEST MANUFACTURERS OF AUTOMOTIVE GOVERNORS

SIGNALS

SIGNAL FLASHERS, DIRECTIONAL *See Directional Signal Flashers*
SIGNAL SWITCHES, DIRECTIONAL *See Directional Signal Switches*

SIGNALS, Air Filter

BACHARACH INDUSTRIAL INSTRUMENT CO
McQUAY-NORRIS MFG CO

SIGNALS, DIRECTIONAL *See Directional Signals*

SIGNALS, Fuel Tank

Scully Signal Co

SIGNALS, Low Air Pressure Brake

BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
Berg Mfg & Sales Corp
COLE-HERSEE CO
DELCO-REMY DIV
ENGLER INSTRUMENT CO
KYSOR HEATER CO
Monroe Standard Inc
Nason Co
Power Brake Equipment Co
Rochester Mfg Co Inc
Steinwachs Safety Supply
STEWART-WARNER CORP INSTRUMENT DIV
Synchro Start Products Inc
WAGNER ELECTRIC CORP
Velvac Inc

SIGNALS, Low Air Pressure, Tires

Tire Service Inc

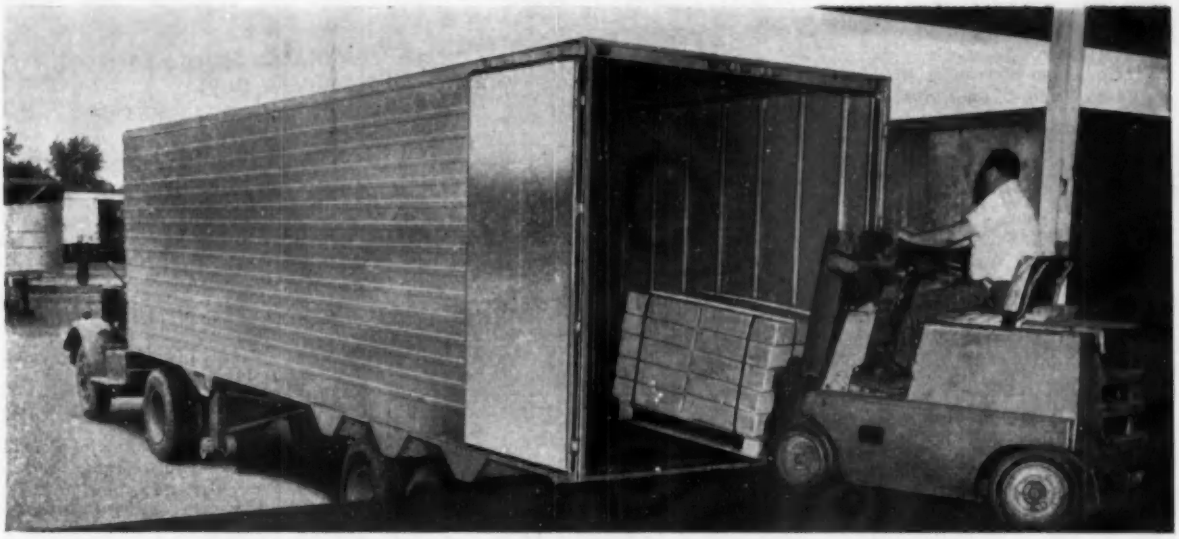
SIGNALS, Low Oil Level

KING-SEELEY DIV

SIGNALS, Low Oil Pressure

COLE-HERSEE CO
DELCO-REMY DIV
ELECTRIC AUTOLITE CO
Guaranteed Parts Co Inc

● More details? Circle 185 on reply card inside back cover



What You Should Know About

Fruehauf's Trailer Leasing Plan

QUESTION: My capital is tied up in my equipment. Will Fruehauf's Trailer Leasing Plan help me?

ANSWER: It certainly will. Leasing *frees* capital, and helps you earn more money with less investment. Leasing will make available to you *much more* equipment than you could normally obtain by purchase or conditional sale.

QUESTION: Does Fruehauf have all types of Trailers available for leasing?

ANSWER: Yes. Whether you need Trailers for packaged goods, perishables, liquids or other bulk commodities, a Fruehauf lease can be tailored to your specific needs.

QUESTION: How do I know whether I should lease or buy my Fruehauf Trailers?

ANSWER: If you can answer "Yes" to one or more of these questions it will pay you to investigate Fruehauf's Trailer Leasing Plan:

- Is your credit line narrowing?
- Do you want to avoid the risk of obsolescence?
- Are you in a period of growth and need your capital freed?

A letter, phone call, or the reply coupon below will bring a Fruehauf representative to your office for a complete analysis of your leasing costs and benefits.

There are also Fruehauf fleet maintenance plans, provisions for purchase of leased units, and a wide selection of used Trailers for lease or sale. So contact your Fruehauf representative *today*.

FRUEHAUF TRAILERS

For Forty-Six Years—World's Largest Builder of Truck-Trailers!

FRUEHAUF TRAILER COMPANY
10940 Harper Avenue • Detroit 32, Michigan

PLEASE CONTACT ME. I WANT TO KNOW MORE ABOUT FRUEHAUF'S TRAILER LEASING PLAN.

Name_____ (Please print)
Company_____
Address_____
City_____ State_____

● More details? Circle 186 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on page 236

SIGNALS, LOW VACUUM TO SNOW PLOWS

SIGNALS, Low Oil Pressure —continued

Hawk Tool & Engineering Co
KYSOR HEATER CO
Moto-Gard Co
Nason Co
STEWART-WARNER CORP INSTRUMENT DIV
Synchro-Start Products Inc

SIGNALS, Low Vacuum (Brake)

COLE-HERSEE CO
Monroe Standard Inc
Moto-Gard Co
Nason Co
Power Brake Equipment Co
Velvac Inc

SIGNALS, Speed Warning (Advertiser Only)

ENGLER INSTRUMENT CO

SIGNALS, Water Temperature

Amot Controls Corp
Armbrust Automatic Corp
DELCO-REMY DIV
ELECTRIC AUTOLITE CO
FORD DIV FORD MOTOR CO
Hawk Tool & Engineering Co
KYSOR HEATER CO
Moto-Gard Co
Nason Co
STEWART-WARNER CORP INSTRUMENT DIV
Synchro-Start Products Inc
Water-Larm Corp

SIGNS, Vehicle

(See also Decalcomanias)

Acme Equipment Inc
Allied Decals
Demp-Nock Co
Fleetmark Div Mask-Off Co
Holes-Webway Co
MINNESOTA MINING & MFG CO
Mulholland-Harper Co
Multi-Color Process Co
Ohio Decalcomania Co
Polyplastic Forms Inc
Regal Air Corp
Steinwachs Safety Supply Co
Ward's Trucksign Transfers

SIRENS *See Horns, Sirens*

SLACK ADJUSTERS, BRAKE *See Brake Adjusters*

SLEEPER CABS *See Cabs, Truck*

SLEEVES, CYLINDER *See Cylinder Liners*

SLUDGE REMOVERS (CRANKCASE) *See Compounds, Crankcase Sludge Removing*

SLUDGE VALVES *See Valves, Air Tank Drain*

SNOW PLOWS

Badger Machine Co
Caterpillar Tractor Co
Duplex Mfg Co
FWD Corp
Flink Co
Frink Sno-Plows Inc
THE GLEDHILL ROAD MACHINERY CO
Good Roads Machinery Corp
Gravely Tractors Inc
Howell Industrial Device Co
Meyer Prods Inc
MONARCH ROAD MACHINERY CO
New England Road Machinery Co
NAPCO INDUSTRIES INC
Root Spring Scraper Co
Truck Engrg Co
Walter Motor Truck Co
Western Snowplow Div

SOAPS, VEHICLE WASHING *See Cleaning Compounds & Solvents*

MEYERCORD

World's Leading Designer and Manufacturer

of DECALS

and DRI-MARK

Pressure Sensitive Films

Serving such outstanding haulers as:

GREAT LAKES EXPRESS
INTERSTATE SYSTEM
ASSOCIATED TRUCK LINE
NORTH AMERICAN VAN LINES
CONSOLIDATED FREIGHTWAYS
INTERNATIONAL TRANSPORT
TRANSPORT MOTOR EXPRESS
GROSS COMMON CARRIERS
CHEMICAL TANK LINES
EMERY AIR FREIGHT

. . . and hundreds of fleets engaged in local and general distribution — bakeries, dairies, food, breweries, bottlers, and what have you!

For complete information write

THE MEYERCORD CO.

Transportation and Equipment Department

Dept. V-515, 5323 West Lake Street, Chicago 44, Illinois

● More details? Circle 187 on reply card inside back cover

NEW AMOCO

TRUCK STOP PROGRAM

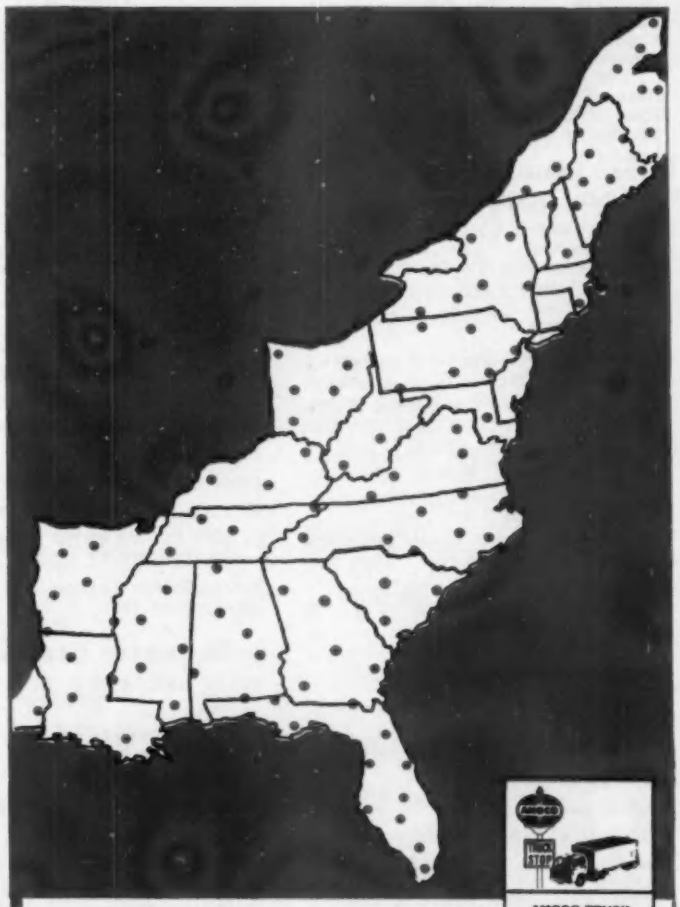
Nearly 100 Amoco-approved stops from Maine to Texas are introducing the kind of service truckers are looking for!

The new Amoco Truck Stop Program has been developed from the truckers' viewpoint. It guarantees you that *each* station has all necessary facilities and equipment to provide fast, complete, 24-hour service for your trucks . . . and the conveniences of home for your drivers.

Services and products available at all Amoco Truck Stops include:

* Special Truck Stop Credit Cards
* Centralized Billing
* Ticket Imprinting Pumps
* Amoco High Grade Diesel Fuel
* Clean-burning American Gas —*best of the regulars*
* New Amoco Truck & Bus Oil
* Amoco Super Permalube Motor Oil

MAIL THIS COUPON TODAY for free Map-Directory and full facts on how Amoco's Truck Stop Program can save you money!



Economy starts here...

AMOCO TRUCK STOP DEPARTMENT
AMERICAN OIL COMPANY
555 Fifth Avenue, New York 17, N. Y.

Please send immediately the new Map-Directory and information on your Truck Stop Program.

Company Name_____

My Name_____

Address_____

City_____ Zone____ State_____

CCJ-11

● More details? Circle 188 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

SOLDERING IRONS TO STARTING MOTOR DRIVES

SOLDERING IRONS, Electric

American Electrical Heater Co
Chicago Tool & Kit Mfg Co
Eagle Electric Mfg Co Inc
General Electric Co Apparatus Sales Div
Hexacon Electric Co
Ideal Industries Inc
Lenk Mfg Co
Linde Co
Luma Electric Equipment Co
SNAP-ON TOOLS CORP
Vulcan Electric Co
Wall Mfg Co
Wasserleing Mfg Co Inc
Weller Electric Corp
Wen Products Inc
Zephyr Mfg Co

SOLDERS, BODY *See Body Solders*
SOLVENTS, OIL, CARBON & GREASE *See Cleaning Compounds & Solvents*
SPACERS, WHEEL *See Wheel Spacers*

SPARK PLUGS

AC SPARK PLUG ELECTRONICS DIV
Amerizan Eagle Spark Plug Corp
Auburn Spark Plug Co
B G Corp
Blue Crown Corp
BOSCH CORP ROBERT
Bowers Battery & Spark Plug Co
Bowes "Seal Fast" Corp
CHAMPION SPARK PLUG CO
ELECTRIC AUTOLITE CO
Engine Accessories Mfg Co
FORD DIV FORD MOTOR CO
Fox Co Thomas T Electronic & Machine Div
Gilpak Automotive Products Div
HASTINGS MFG CO
Mallory Electric Corp
MOPAR DIV CHRYSLER CORP
Motor Master Products Corp
Tungsten Spark Plug Mfg
Waag Enterprises

SPARK PLUG CLEANERS

AC SPARK PLUG ELECTRONICS DIV
BOSCH CORP ROBERT
Brulin & Co Inc
CHAMPION SPARK PLUG CO
ELECTRIC AUTOLITE CO
Kastar Inc
MOPAR DIV CHRYSLER CORP
OAKITE PRODUCTS INC
Warehouse Distributing Co
Wudel Mfg Co Inc Edmund J

SPARK PLUG TESTERS

AC SPARK PLUG ELECTRONICS DIV
Acme Electric Corp
Auto-Test Inc
B G Corp
BOSCH CORP ROBERT
CHAMPION SPARK PLUG CO
Eagle Electric Mfg Co Inc
FORD DIV FORD MOTOR CO
Fox Co Thomas T
Hanson Co Harvey E
Kal-Equip Co
Kastar Inc
King Electric Equipment Co
Rinck-McIlwaine Inc
Simpson Electric Co
Vaco Products Co
Wudel Mfg Co Edmund J

SPEEDOMETERS

AC SPARK PLUG ELECTRONICS DIV
Actuator Products Corp
Argo Tachograph Co (Recording)
ELECTRIC AUTOLITE CO
ENGLER INSTRUMENT CO
FORD DIV FORD MOTOR CO
Jones-Motorola Corp
KING-SEELEY DIV
MOPAR DIV CHRYSLER CORP
STEWART-WARNER CORP INSTRUMENT DIV
United States Taximeter Co
Veeder-Root Inc

SPEEDOMETER CABLES

AC SPARK PLUG ELECTRONICS DIV
Accurate Products Inc
Champ-Items Inc
ELECTRIC AUTOLITE CO
FORD DIV FORD MOTOR CO
HYGRADE PRODUCTS DIV
MOPAR DIV CHRYSLER CORP
Paragon Products Corp
Perfection Automotive Products Corp
Speedometer Service Co
STANDARD MOTOR PRODUCTS INC
Stewart Corp F W
STEWART-WARNER CORP
UNITED PARTS DIV
White Industrial Div S S

SPEED WARNING DEVICES *See Signals, Speed Warning*

SPLASH GUARDS

Ace Rubber Products Inc
Acme-Hamilton Mfg Corp
American Mat Corp
Anchor Rubber Products Div
Buckeye Rubber Products Inc
Buxbaum Products Co
Curv-Gards Inc
DAYTON INDUSTRIAL PRODUCTS CO
Doan Mfg Div
FORD DIV FORD MOTOR CO
FRUEHAUF TRAILER CO
Gar Wood Industries
GATES RUBBER CO
Globe Rubber Products Co
Goodrich Industrial Products Co B F
Holan Corp
Industrial Steel Tank & Body Works Inc
Koneta Rubber Co
LEE RUBBER & TIRE CORP
Midwestern General Corp
OEM Products Co Inc
Standard Carriage Wks Inc
THERMOID DIV
Truck & Trailer Products Inc
Velvac Inc

SPOTLIGHTS *See Lamp, Fog & Spot*
SPRAY BOOTHS, PAINT *See Paint Spray Booths*
SPRAY, IGNITION *See Ignition Spray*
SPRAYERS, MOLTEN METAL *See Metalizing Equipment*
SPRAYERS, PAINT *See Paint Sprayers*
SPRAYERS, UNDERCOATING *See Undercoating Sprayers*
SPREADERS, TIRE *See Tire Service Equipment*

SPRING CLIPS

BORG-WARNER CORP SPRING DIV
Accurate Products Inc
Acme Spring Products Co
Champ-Items Inc
Cuyahoga Spring Co
Highland Machine Co
Houser Engrg & Mfg Co
Jambor Tool & Stamping Co
Jenson & Mitchell Inc
Rockwell-Standard Corp Spring Div
Service Spring Co
Star Products Co
Thompson-Bremer & Co
Triangle Auto Spring Corp
Union Forging Co
WOHLERT CORP

SPRING SHACKLES

ALLIED AUTOMOTIVE PARTS CO
ALUMINUM INDUSTRIES INC
FORD DIV FORD MOTOR CO
HERBRAND DIV
Jambor Tool & Stamping Co
Jenson's & Mitchell Inc
McQUAY-NORRIS MFG CO
MOPAR DIV CHRYSLER CORP
Thompson Products Replacement Div
Toledo Steel Products Div
WOHLERT CORP

SPRINGS, Air

Air Lift Co

BARTLETT TRAILER CORP
BENDIX - WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
CLARK EQUIPMENT CO
FIRESTONE INDUSTRIAL PRODUCTS CO
GENERAL TIRE & RUBBER CO AIR SPRING DIV
HENDRICKSON MFG CO
Kenworth Motor Truck Co
NEWAY EQUIPMENT CO
Spencer-Safford Loadcraft Inc
WAGNER ELECTRIC CORP (Leveling Valve)
WESTERN UNIT CORP
Youngstown Steel Car Corp

SPRINGS, Coil

Accurate Spring Mfg Co
Acme Spring Products Co
ALLIED AUTOMOTIVE PARTS CO
All-O-Matic Mfg Corp
BENDIX - WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
Chatillon & Sons John
Danly Machine Specialties Inc
Eaton Mfg Co Spring Div
FORD DIV FORD MOTOR CO
Jenson & Mitchell Inc
McQUAY-NORRIS MFG CO
Master Parts Div Airtex Products Inc
Michigan Spring Co
Moog Industries Inc
Perfection Automotive Products Corp
Perfect Parts Inc
Republic Engrg & Mfg Co
Rockwell-Standard Corp Spring Div
Timms Spring Co
Thompson Products Replacement Div
Toledo Steel Products Div
Triangle Auto Spring Co
Wells Mfg Corp
Wheel Parts & Mfg Co

SPRINGS, Helper

Acme Spring Products Co
Automotive Aids Corp
Bee-Line Co
Champ-Items Inc
Hellwig Products Co Inc
Jenson & Mitchell Inc
Koenig Iron Works
LAHER SPRING & ELECTRIC CAR CORP
Maremont Automotive Products Inc
Monroe Auto Equipment Co
Moog Industries Inc
Prior Products Co
Service Spring Co
Thompson Products Replacement Div
Trainor National Spring Co
Tuthill Spring Co

SPRINGS, Leaf

Acme Spring Products Co
Benz Spring Co
Betts Spring Co
BURTON AUTO SPRING CORP
Champ Spring Co
Detroit Steel Products Div
Eaton Mfg Co Spring Div
FORD DIV FORD MOTOR CO
Iron City Spring Co
Jenson & Mitchell Inc
LAHER SPRING & ELECTRIC CAR CORP
Liggett Spring & Axle Co
Mather Spring Co
Moog Industries Inc
MOPAR DIV CHRYSLER CORP
PAGE & PAGE CO
Republic Engrg & Mfg Co
Rockwell-Standard Corp Spring Div
Service Spring Co
Stanley Spring Works Inc
Swartz Products Inc
Templeton Co Inc
Trainor National Spring Co
Triangle Auto Spring Corp
Tuthill Spring Co
Vulcan Spring Co

SPRINGS, SHOCK ABSORBER *See Shock Absorbers (with Booster Spring)*

STANDS, ELECTRIC TEST *See Testers, Electrical*

STANDS, Engine, Transmission & Axle

Automotive Equipment Mfg Co
BACHARACH INDUSTRIAL INSTRUMENT CO
Clayborne Mfg Co
Evans Reamer & Machine Co
GLOBE HOIST CO
HEIN-WERNER CORP
K-D MFG CO
KENT-MOORE ORGANIZATION INC
KEN-TOOL MFG CO
Manley Div
Manzel Div
Miller Mfg Co
OWATONNA TOOL CO
Sav-T-Engineering Co
Storm-Vulcan Inc
Walker Mfg Co
Wilson Inc K R

STANDS, Portable (Tools & Parts)

Albertson & Co
BACHARACH INDUSTRIAL INSTRUMENT CO
Barrett-Cravens Co
Bay Products Div
Bernard-Franklin Co
BLACK & DECKER MFG CO
Cutler Metal Products Co
Economy Engrg Co
Equipto Div Aurora Equipment Co
Frick-Gallagher Mfg Co
HEIN-WERNER CORP
HERBRAND DIV
Kennedy Mfg Co
Nutting Truck & Caster Co
OWATONNA TOOL CO
Shure Mfg Co
Simpson Electric Co
Standard Pressed Steel Co
Sturdilite Products Inc
Wilson Inc K R

STANDS, Vehicle

Automotive Equipment Mfg Co
AUTO SPECIALTIES MFG CO
Edgewater Automotive Div
Evans Reamer & Machine Co
HEIN-WARNER CORP
Joyce-Cridland Co
KENT-MOORE ORGANIZATION INC
Manley Div
R V Jack Corp
Reliable Jack Div
Toledo Pressed Steel Co
Unit Mfg Co
Wagner Mfg Co
Walker Mfg Co
WATERVLIET TOOL CO
WEAVER MFG DIV
Wilson Inc K R

STARTER SWITCHES *See Switches, Starter*

STARTING FLUID

Pyroil Co
Service Supply Co
Siloo Inc
SPRAY PRODUCTS CORP
Wilco Inc
Wilson Co

STARTING FLUID PRIMERS *See Primers, Engine*

STARTING MOTORS, Air

Allied Witan Co (Silencers only)
BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
GMC TRUCK & COACH DIV
Gardner-Denver Co
INGERSOLL RAND CO
Schwitzer Corp

STARTING MOTORS, Electric

American Generator & Armature Co
Arrow Armatures Co
DELCO-REMY DIV
ELECTRIC AUTOLITE CO
General Armature & Mfg Co
LEECE-NEVILLE CO
Midwest Generator Co

STARTING MOTORS, Hydraulic

American Bosch Div
DETROIT DIESEL ENGINE DIV

STARTING MOTOR DRIVES & PARTS

Accurate Parts Inc
American Motor Products Co
Carston Mfg Co
DELCO-REMY DIV
ECLIPSE MACHINE DIV
ELECTRIC AUTOLITE CO
F & B MFG CO
FORD DIV FORD MOTOR CO
General Armature & Mfg Co
Guaranteed Parts Co
HOLLEY CARBURETOR CO
Kem Mfg Co

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

STEEL, SHEET TO STEP PLATES

STARTING MOTOR DRIVES & PARTS—*Continued*

LAMSON & SESSIONS CO
Machined Parts Corp
Midwest Generator Co
Morse Chain Co
Niehoff & Co C E
Paragon Products Corp
Preferred Electric & Wire Co
Shurhit Products Inc
Standard Motor Products Inc
United Screw & Bolt Corp
Wells Mfg Corp
Wickwire Spencer Steel Div

STEAM CLEANERS *See Cleaning Machines*

One pump stands out!

TOKHEIM

IN-TANK electric **FUEL PUMP**

There is only one Tokheim IN-TANK fuel pump—the pump that has been approved and is now being used by two major truck manufacturers. And the reason is quite simple. Tokheim pushes the fuel *all the way* from the tank to the carburetor, assuring an ample supply at all times, stopping vapor-lock, preventing engine starvation and burned-out valves; providing easy starting in coldest weather.

The Tokheim has three times the life of conventional pumps. This means less down-time. It mounts in flange-equipped tanks which are readily available. There is nothing quite like the Tokheim pump. You owe it to yourself to get the facts. Call your supplier today!

Write factory for bulletin!

QUALITY TOKHEIM® FUEL PUMPS

General Products Division
TOKHEIM CORPORATION
Fort Wayne 1, Indiana

STEEL DOORS, TRUCK *See Doors, Truck, Steel*

STEEL, Sheet

Acme-Newport Steel Co
Alan Wood Steel Co
American Nickeloid Co
Apollo Metal Works Inc
ARMCO STEEL CORP
Bethlehem Steel Co
Caine Steel Co
Consolidated Metal Products Inc
Crucible Steel Co of America
Detroit Steel Corp
Eastern Stainless Steel Corp
Great Lakes Steel Corp
Hamden Steel & Aluminum Co
Hynes Steel Products Co
Ingersoll Steel Div
INLAND STEEL CO
Jones & Laughlin Steel Corp
Kaiser Steel Corp
Mahl Steel & Bolt Co
Pittsburgh Steel Co
REPUBLIC STEEL CORP
Ryerson & Son Inc Joseph T
Sharon Steel Corp
Superior Sheet Steel Co
Superior Steel Corp
TENNESSEE COAL & IRON DIV
UNITED STATES STEEL CORP
Universal-Cyclops Steel Corp
Washington Steel Corp
Weirton Steel Co Div
Wheeling Steel Corp
Youngstown Sheet & Tube Co

STEEL TUBING *See Tubing, Brass Copper & Steel*

STEERING GEARS

FORD DIV FORD MOTOR CO
Gemmer Mfg Co Div
Jambor Tool & Stamping Co
MOPAR DIV CHRYSLER CORP
SAGINAW STEERING GEAR DIV

STEERING GEAR POWER SYSTEMS

Aeroquip Corp
BENDIX PRODUCTS DIV
Everhot Products Co (Repair Kits only)
FORD DIV FORD MOTOR CO
Garrison Mfg Co
IMPERIAL BRASS MFG CO
MOPAR DIV CHRYSLER CORP
OEM Products Co
Ross Gear & Tool Co Inc
SAGINAW STEERING GEAR DIV
Sheppard Co R H
TULSA PRODUCTS DIV

STEP PLATES

Alan Wood Steel Co
ALUMINUM CO OF AMERICA
American Abrasive Metals Co
Bustin Steel Products Inc
Croname Inc
Jones & Laughlin Steel Corp
Moore & Co Samuel
Ohio Rubber Co

● More details? Circle 189 on reply card inside back cover

▶ Keep Costly Rust in Check with Ditzler's

FERROCHROME PRIMER

(RUST INHIBITIVE)

▶ **Flash-Dries in 15 Minutes**

▶ **Needs No Sanding**

▶ **Has Excellent Adhesion to Bare Metals or Old Surfaces**

Let's face it—salt and brine are almost as tough on truck paint jobs as they are on ice and snow. All winter long they're eating away, causing rust and corrosion. But now you can lick this profit-robbing waste—with Ditzler's remarkable FERROCHROME PRIMER DPE-1202.

- **A potent rust inhibitor,** this special red oxide primer gives both body metal and chassis real protection.
- **FERROCHROME cuts down time, too.** It speeds painting because it sticks *skin tight* to bare metal and aluminum as well as to old enamel or lacquer.
- **It flash-dries in 15 minutes** and requires no sanding. Finish coats can be applied immediately after flash-off. Because color and primer dry down together you cut out one drying. Where enamel jobs are force-dried or baked, FERROCHROME prevents enamel from soaking into old finish.
- **Give FERROCHROME PRIMER a try.** It will definitely cut your costs, save time and keep your paint jobs looking new longer. Why not call your local Ditzler jobber today?

DITZLER COLOR DIVISION
Pittsburgh Plate Glass Company, Detroit 4, Michigan

DITZLER®

PAINTS • GLASS • CHEMICALS • BRUSHES • PLASTICS • FIBER GLASS

PITTSBURGH PLATE GLASS COMPANY

IN CANADA: CANADIAN PITTSBURGH INDUSTRIES LIMITED

● More details? Circle 190 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

STEPS, TRUCK BODY TO SWITCHES, HEATER

STEP PLATES—*continued*

OWATONNA TOOL CO
Proto Tool Co
Standard Products Co

STEPS, Truck Body

Bullard Co E D
Bustin Steel Products Inc
Consolidated Metal Products Inc
Mesco Products
Miller Mfg Co
Power Brake Parts Mfg Co

STOCK RACKS, *See Racks, Stock Storage*

STOP LAMPS *See Lamps*

STOP LIGHT SWITCHES *See Switches, Stop Light*

STORAGE BATTERIES *See Batteries, Storage*

STORAGE BINS *See Bins, Parts Storage*

STRAIGHTENERS, AXLE & FRAME *See Alignment Equipment*

STRAIGHTENERS, WHEEL *See Wheel Straighteners*

STRIPPERS, PAINT *See Paint Removers*

SUSPENSION UNITS *See Axle Suspension Units*

SWEEPERS *See Floor Sweepers or Road Sweepers*

SWITCHES

SWITCHES, DIRECTIONAL SIGNAL *See Directional Signal Switches*

SWITCHES, Headlight Dimmer

COLE-HERSEE CO
DELCO-REMY DIV
ECHLIN MFG CO
ELECTRIC AUTOLITE CO
F & B MFG CO
FORD DIV FORD MOTOR CO
General Automotive Specialty Co
Guaranteed Parts Co Inc
GUIDE LAMP DIV
HOLLEY CARBURETOR CO
Ideal Corp
K-D LAMP CO
Kem Mfg Co
Machined Parts Corp
MOPAR DIV CHRYSLER CORP
National Ignition Mfg Co
Niehoff & Co C E
P & D MFG CO
Pollak Corp Joseph
Preferred Electric & Wire Co
R-B-M Controls Div
Sorenson Mfg Co
STANDARD MOTOR PRODUCTS INC
Switches Inc
Tasco Products Div
Wheel Parts & Mfg Co

SWITCHES, Heater

Ark-Les Switch Corp
COLE-HERSEE CO
DELCO-REMY DIV
Eagle Electric Mfg Co Inc
Everhot Products Co
FORD DIV FORD MOTOR CO
General Automotive Specialty Co
Guaranteed Parts Co Inc
HUPPOWER DIV
Ideal Corp
Indak Mfg Corp
K-D LAMP CO
Kem Mfg Co
KYSOR HEATER CO

There are so many Plus-es in the

P&D-IZE

IGNITION TUNE-UP PROGRAM

developed by your automotive wholesaler and P&D, that you'll want to be a part of it – but Quick!

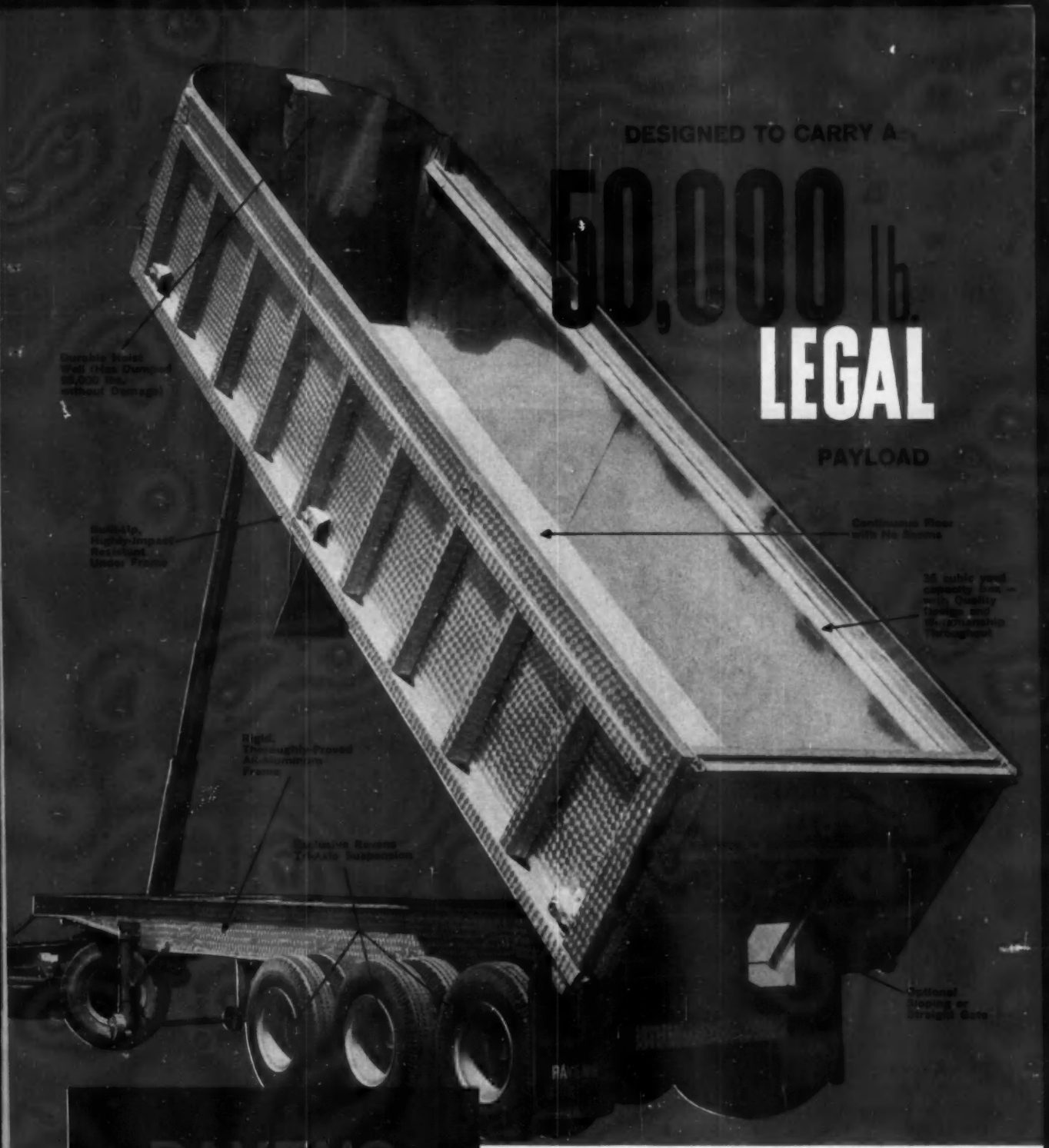
It's designed especially for garage and service station owners and it includes just about everything to get you more business from this most profitable part of your industry. Besides the complete line of P&D ignition parts, finest made, the P&D-ize program through your wholesaler gives you the latest test equipment, manuals, clinics, schools, and plenty of point of sale ammunition to help you get more tune-up jobs.

Get in touch with your P&D-ize wholesaler right now, or drop us a line for the complete story.

GENUINE P&D PARTS

P&D MANUFACTURING CO., INC.
STARTING - LIGHTING - IGNITION
19-02 STEINWAY ST., LONG ISLAND CITY 5, N. Y.
Export Sales: Borg Warner International, 36 So. Wabash Ave., Chicago 3, Ill.

● More details? Circle 191 on reply card inside back cover



RAVENS

Tri-Axle

One operator is earning an additional $14,000 per year with a Tri-Axle, carrying 10,000 lb. extra legal payload on each of two daily 200 mile trips. Design allows 100% legal payload of 50,000 lbs. in Ohio, Michigan and Indiana.

For full data and specifications, ask for Bulletin 400

RAVENS-METAL PRODUCTS, INC. *1300 Market Street, Parkersburg, W. Va.*

More details? Circle 192 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

SWITCHES, IGNITION TO SWITCHES, LIGHT

SWITCHES, Heater—Cont'd

Niehoff & Co C E
Paragon Products Corp
Pollak Corp Joseph
Preferred Electric & Wire Co
STANDARD MOTOR PRODUCTS INC

SWITCHES, Ignition

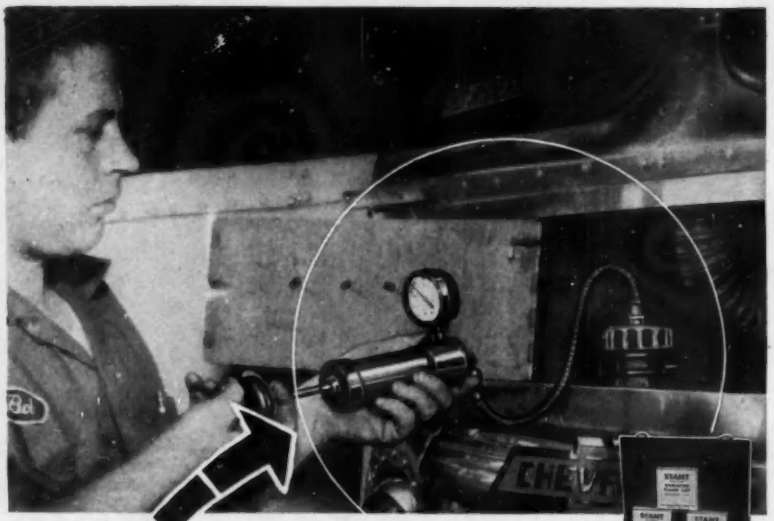
Andrew Parts Mfg Co
BOSCH CORP ROBERT
Briggs & Stratton Corp
COLE-HERSEE CO
DELCO-REMY DIV
Detroit Master Products Co
DO-RAY LAMP CO INC
Douglas Mfg Div
Eagle Lock & Screw Co
ECHLIN MFG CO
ELECTRIC AUTOLITE CO
F & B MFG CO
FORD DIV FORD MOTOR CO
General Automotive Specialty Co
Guaranteed Parts Co Inc
Ideal Corp
Kem Mfg Co Inc
Machined Parts Corp
Mitchell Specialty Div
Montrose Div
Motive Equipment Mfrs Inc
Pollak Corp Joseph
Preferred Electric & Wire Co
R-B-M Controls Div
Scintilla Div
Sorensen Mfg Co
STANDARD MOTOR PRODUCTS INC
Switches Inc
Synchro-Start Products Inc
Wheel Parts & Mfg Co

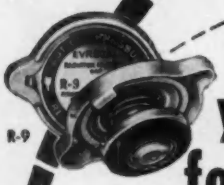
SWITCHES, Ignition Cut-Off

Amot Controls Corp
Brown Fyre-Blok Sales Inc Paul
COLE-HERSEE CO
DELCO-REMY DIV
ECHLIN MFG CO
ELECTRIC AUTOLITE CO
Guaranteed Parts Co Inc
KYSOR HEATER CO
Monroe Standard Inc
Reynolds Electric Co
Rochester Mfg Co
Sampson Safety Products Co
STANDARD MOTOR PRODUCTS INC
Synchro-Start Products Inc

SWITCHES, Light

Ark-Les Switch Corp
ARROW SAFETY DEVICE CO
COLE-HERSEE CO
Controls Corp of America
Culver-Stearns Mfg Co
Cutler-Hammer Inc
DELCO-REMY DIV
Delta Electric Co
DO-RAY LAMP CO INC
Douglas Mfg Div
Eagle Electric Mfg Co Inc
ELECTRIC AUTOLITE CO
F & B MFG CO
FORD DIV FORD MOTOR CO
Fasco Industries Inc
General Automotive Specialty Co
GRIFFIN LAMP CO
Guaranteed Parts Co Inc
GUIDE LAMP DIV
Ideal Corp
Indak Mfg Corp
K-D LAMP CO
Kem Mfg Co Inc





your best buy for fall servicing

Cooling system servicing is now a necessity! Your best tool is Stant's new *Universal* ST-255 Tester. Note flexible hose and cap-type end. You can use it anywhere you can operate a cap . . . *sensationally different from anything Stant or anyone has made!* Ask your jobber salesman for sensational offer . . . bonus R-9 caps make your cost unbelievably low! Order needed caps now from your jobber. Or write STANT MANUFACTURING CO., INC., Connersville, Indiana

Lev-R-Vent gives positive protection against scalds. Lever stays up . . . you're free for other work while steam exhausts in blow-down.

Standard of the industry and original equipment for a generation

● More details? Circle 193 on reply card inside back cover

● More details? Circle 194 on reply card inside back cover——→

BARTLETT

"PIGGY BACK"
M-59

HYDRAULIC 5TH WHEEL

IF YOU OPERATE 25 or MORE TRAILERS... THIS SPOTTING 5TH WHEEL IS A MUST! WILL PAY FOR ITSELF IN A VERY SHORT TIME.

LOCKS AUTOMATICALLY — UNLOCKS BY AIR.

INCLUDES FRAME RAILS... *HEAVY DUTY FIFTH WHEEL*... POWER-TAKE-OFF AND CONTROLS. *NOT A MAKE SHIFT ASSEMBLY.*

STURDIEST ASSEMBLY BUILT... REINFORCED TO TAKE PUNISHMENT.

SHIPPED COMPLETE — READY TO INSTALL ON TRUCK FRAME.

USERS include Truckers and Private Carriers from Coast to Coast, Canada, Hawaii, Puerto Rico, Venezuela, Sweden and England. Check with a user in your area on the Bartlett Quality and the Savings Possible.

PIONEER and LEADER

SAVE ACCIDENTS and Physical Injuries — ELIMINATE BACK BREAKING CRANKING

COMPLETELY CAB CONTROLLED

BARTLETT TRAILER CORPORATION
3080 ARCHER AVENUE CHICAGO 8 • ILLINOIS
Virginia 7-1160

MORE FLEETS USE BARTLETT 5TH WHEELS THAN ANY OTHER

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

SWITCHES, STARTER TO TAILGATES, ELEVATING

SWITCHES, Light—*continued*

Mitchell Specialty Div
National Ignition Mfg Co
Niehoff & Co C E
Paragon Products Corp
Pollak Corp Joseph
Preferred Electric & Wire Co
R-B-M Controls Div
Regal Motor Products Inc

SIGNAL-STAT CORP

STANDARD MOTOR PRODUCTS INC

Tasco Products Div
Wheel Parts & Mfg Co

SWITCHES, Starter

American Motor Products Co
Automotive Specialty Corp
Auto-Test Inc

COLE-HERSEE CO

DELCO-REMY DIV

ECHLIN MFG CO

ELECTRIC AUTOLITE CO

F & B MFG CO

FORD DIV FORD MOTOR CO

Fox Valley Instrument Co
General Armature & Mfg Co
General Automotive Specialty Co
Guaranteed Parts Co Inc
Haas Battery & Electric Co
Hanson Co Harvey E

HOLLEY CARBURETOR CO

Ideal Corp
Indak Mfg Corp
Kem Mfg Co
King Electric Equipment Co

LEECE-NEVILLE CO

Machined Parts Corp

MOPAR DIV CHRYSLER CORP

National Ignition Mfg Co
Niehoff & Co C E

P & D MFG CO

Paragon Products Corp
Pollak Corp Joseph
Preferred Electric & Wire Co
R-B-M Controls Div
Shurhit Products Inc
Sorensen Mfg Co

STANDARD MOTOR PRODUCTS INC

Switches Inc
Tasco Products Div
Wells Mfg Corp
Wheel Parts & Mfg Co

SWITCHES, Stop Light

American Motor Products Co
Ark-Les Switch Corp

BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO

Berg Mfg & Sales Co
Betts Machine Co

BOSCH CORP ROBERT

COLE-HERSEE CO

DELCO-REMY DIV

Delta Electric Co

DO-RAY LAMP CO INC

Douglas Mfg Div

ECHLIN MFG CO

EIS AUTOMOTIVE CORP

ELECTRIC AUTOLITE CO

Fasco Industries Inc

FORD DIV FORD MOTOR CO

Guaranteed Parts Co Inc
Ideal Corp

K-D LAMP CO

KELSEY-HAYES CO

Kem Mfg Co
Lisle Corp Brake Div
Loock & Co R J
Machined Parts Corp
Master Parts Div
Midland-Ross Corp Owosso Div
Motive Equipment Mfrs Inc

MOTORCRAFT

Murray Corp
National Ignition Mfg Co

P & D MFG CO

Perfect Parts Inc
Pollak Corp Joseph
Power Brake Equipment Co
Power Brake Parts Mfg Co
Preferred Electric & Wire Co
R-B-M Controls Div
Sealco Air Brakes Inc
Sorenson Mfg Co P

STANDARD MOTOR PRODUCTS INC

Tasco Products Div

THERMOID DIV

Transit Parts Co

UNITED PARTS DIV

Valley Forge Products Inc
Velvac Inc

WAGNER ELECTRIC CORP

WEATHERHEAD CO FORT WAYNE DIV

Wells Mfg Corp
Wheel Parts & Mfg Co

YANKEE METAL PRODUCTS CORP

SWITCHES, WARNING DEVICES *see Signals*

TACHOGRAPHS

Argo Instruments Corp
Arn-Wood Co

ENGLER INSTRUMENT CO

Sangamo Electric Co

SERVICE RECORDER CO

Speedo Tach Service Inc

SUN ELECTRIC CORP TACHOMETER DIV

United States Taximeter Co

WAGNER ELECTRIC CORP

TACHOMETERS, Engine Testing

Actuator Products Corp
Allen Electric & Equipment Co
Atomic Engineering Corp
Auto-Test Inc
Barbour Stockwell Instruments
Doyle Electro Products Co
Electro Products Co
Fox Co Thomas T Electronic & Machine Div
Fox Valley Instrument Co
Hanson Co Harvey E

HERBRAND DIV

Ideal Industries Inc
Kal-Equip Co
Kennedy Service Tools Co

KENT-MOORE ORGANIZATION INC

King Electric Equipment Co
Niehoff & Co C E
Radson Engrg Corp Automotive & Marine Div
Simpson Electric Co

SNAP-ON TOOLS CORP

SUN ELECTRIC CORP

Weidenhoff Corp

TACHOMETERS, Vehicle

AC SPARK PLUG ELECTRONICS DIV

Actuator Products Corp
Argo Tachograph Div
Barbour-Stockwell Co
Beckman Instruments Inc Berkeley Div

ELECTRIC AUTOLITE CO

Thomas G Faria Co
Fox Valley Instrument Co

HERBRAND DIV

Ideal Industries Inc
Kennedy Service Tools Co
King Electric Equipment Co

KING SEELEY DIV

Metron Instrument Co
Minneapolis-Honeywell Regulator Co
Performance Measurements Co
Radson Engineering Corp

STEWART-WARNER CORP INSTRUMENT DIV

SUN ELECTRIC CORP

Veeder-Root Inc
Waag Enterprises
Waltham Precision Instrument Co

TAIL LAMPS (OR REAR SIGNAL) *See Lamps*

TAIL PIPES *See Exhaust & Tail Pipes*

TAILGATES, Elevating

Anthony Co
Atlas Industrial Corp (separate platform)
Automotive Devices Inc
Cemco Industries Inc
Collins & Associates Inc
Cook Bros Equipment Co
Converto Mfg Co
Curtis Automotive Devices Inc
Daybrook Hydraulic Div
Galion Allsteel Body Co
Gar Wood Industries Inc
Heil Co
Hercules Steel Products Co
Maday Body & Equip Co

● More details? Circle 195 on reply card inside back cover——→

Model 990 hauls a 40-foot trailer within 50-foot overall length.

NEW Diamond T 990 . . . *first* 90-inch BBC Diesel with full cab comfort . . . easy accessibility!

Now, for the first time, operators have a heavy-duty diesel with a 90-inch BBC dimension—with no sacrifice of cab comfort, without compromise on service accessibility.

Diamond T's new 990 means bigger payloads—in cube and in weight. 990 hauls 40-foot square-nose trailers within an overall length of 50-feet, and lightweight construction gives a "free ride" to hundreds of extra pounds of payload.

Every 990 custom-built

Every 990 is built to fit the job—whether the need is for a lightweight two-axle tractor or a rugged six-wheeler for off-highway service. Matched and balanced components and the right power output for the job cut costs of operation, insure longer truck life.

Power plants include six Cummins diesels from 180 to 250 h.p. Among them are the two new NHE series economy engines for maximum fuel mileage.

Removal of 990's quick-detachable fender (in less than six minutes) and the fiberglass engine compartment cover lets mechanics walk right in to the entire under-hood area.

Options include 12 rear axles, 6 tandems, 12 main transmissions, 6 auxiliary transmissions, many aluminum elements.

Famous "D" cab

990's rugged "D" cab is all steel, welded, with girder-type construction like skyscrapers and bridges. A full 72 inches wide, it has stretch-out room to spare for the largest pair of drivers. Visibility is outstanding, and the huge curved windshields are of premium "Solex" safety-plate glass. Three large cowl ventilators are dash-controlled.

Your Diamond T dealer will be glad to show you how much more you get with a Model 990—or any Diamond T. Every one is "custom-built" for the job.

DIAMOND T TRUCKS

Established 1905

The Diamond is for Quality

Super Service Motor Freight says...

We depend on Timken® bearings to roll our 850 vehicles 26,000,000 miles a year

HEADQUARTERED in Nashville, Tenn., Super Service Motor Freight Co. Inc. operates a 3,000 mile truck line, servicing more than 14,000 points. Their 400 trucks and 450 trailers roll about 26 million miles a year through 14 states. They've depended upon Timken® tapered roller bearings for many years. As Mr. J. A. Pratt, Super Service Director of Maintenance says: "Our experience shows that Timken bearing quality gives us the bearing performance we need. For example, differential and pinion bearings average 350,000 miles before replacement."

Super Service buys Timken bearings like thousands of fleet owners do—on price. Not initial price, but *price per mile.* They know it isn't the price you pay for bearings that counts, it's the performance you get.

You get money-saving performance with Timken bearings because we guard their quality at every manufacturing step from start to finish.

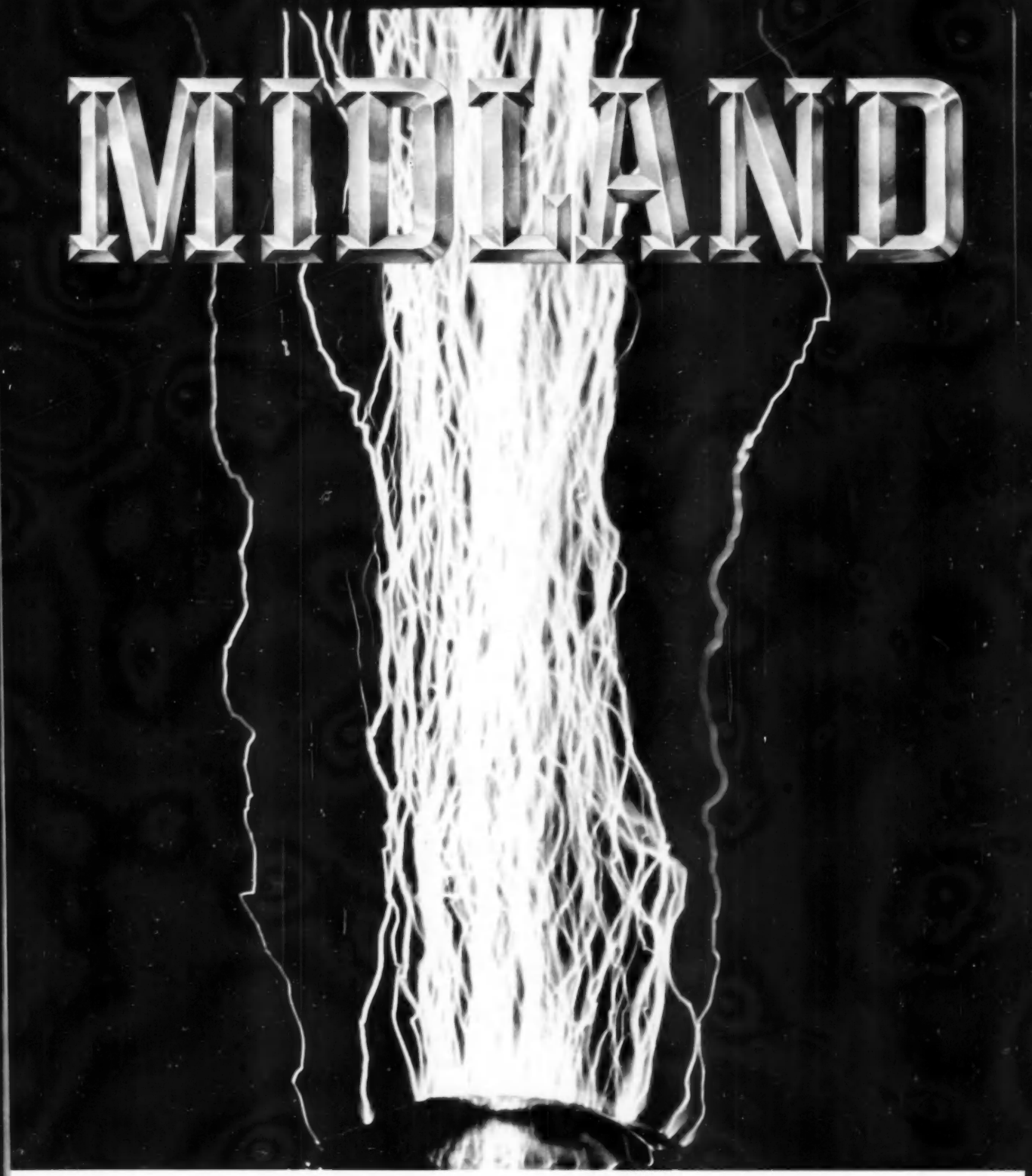
For replacement bearings, do what most truck manufacturers do for original equipment: specify Timken tapered roller bearings. And to get the most from your Timken bearings, send for free booklet, "Fleet Owner Service Manual." The Timken Roller Bearing Company, Canton 6, Ohio. Cable: "TIMROSCO". Canadian Division, Canadian Timken, St. Thomas, Ont.

Lowest price per mile... mile after mile after mile

TIMKEN®
tapered roller bearings

● More details? Circle 196 on reply card inside back cover

● More details? Circle 197 on reply card inside back cover ——→



Research and Development at Work

Electricity—springing to life in stop lights all over America as Midland brake systems bring the nation's trucks, buses and passenger cars to swift, sure stops. Signaling top braking performance as the result of continuous research and development.

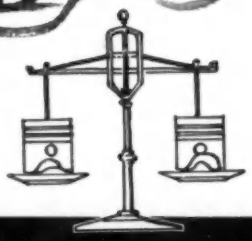
MIDLAND-ROSS CORPORATION

OWOSSO DIVISION OWOSSO, MICHIGAN

ONE OF THE "400" LARGEST AMERICAN CORPORATIONS

AIR BRAKES • AIR COMPRESSORS • AIR CONTROLS • VACUUM POWER BRAKES • DIE CASTINGS • CONSOLIDATED TRANSPORTATION EQUIPMENT

Be Sure you get ZOLLNER "BALANCED" PISTONS



"Every Zollner Piston for V-8 or V-6 engine, regardless of oversize, is the same weight as the standard size original equipment piston"

All V-8 or V-6 engine pistons must be balanced to the same weight as the standard size original equipment piston to avoid vibration and restore original standards of smoothness and efficiency.

☆ Highest Engine Performance

☆ Lowest Maintenance Cost

PISTONS BY ZOLLNER

FOR EVERY TYPE INTERNAL COMBUSTION ENGINE — GASOLINE OR DIESEL

● More details? Circle 198 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

TANKS TO TESTERS, ELECTRICAL

TAILGATE, Elevating—cont'd

Marion Metal Products Co
Maxon's Mfg Co
Midwest Body & Mfg Div
Minneapolis Freeman Mfg Co
Perfection Steel Body Co
Revolvator Co
Santa Anita Mfg Corp
Sav-T-Engineering Co
Stratton Equipment Co
Tec Div—Heil Co
Waltco Truck Equipment Div
Walter Engrg Co
WATSON CO H S

TAKE-OFFS, POWER *See Power Take-Offs*

TANDEM BELT DRIVE *See Axle Belt Drive Adaptors*

TANKS, Fuel & Oil Storage

FIRESTONE TIRE AND RUBBER CO (collapsible rubber coated)
GOODYEAR TIRE & RUBBER CO
Molded Fiber Glass Companies

TANKS, Fuel Supply (Vehicle Mounted)

American Safety Tank Co
Anderson Co O L
APEX REINFORCED PLASTICS
Chilton Metal Products Inc
Cutler Metal Products Co
FONTAINE TRUCK EQUIPMENT CO
FORD DIV FORD MOTOR CO
GOODYEAR TIRE & RUBBER CO
Industrial Steel Tank & Body Works Inc
Kirk & Blum Mfg Co
M D Parts Mfg Co
Maday Body & Equip Co
Master Tank & Welding
Michigan Fleet Equipment Co
Mitchell Metal Products Inc
Pressed Steel Tank Co
Prior Products Inc
SNYDER TANK CORP
Stolper Industries Inc
Western Metal Specialty Div

TANKS, PARTS, CLEANING *See Cleaning Tanks*

TANK CAPS, LOCKING *See Caps, Fuel Tank Locking*

TANKS, TIRE & TUBE TESTING *See Tire Testing Tanks*

TANK GAGES, Liquid Level

Boston Auto Gage Co
ELECTRIC AUTOLITE CO
Rochester Mfg Co
STEWART-WARNER CORP INSTRUMENT DIV

TANKS, Trailer & Truck Body

Allegheny Ludlum Steel Corp
Almont Welding Works Inc
American Car & Foundry Div
American Body & Equipment Co
American Steel Works
Andrews Industries Inc
Auto Truck Steel Body Co
Baughman Mfg Co
Beall Pipe & Tank Corp
Boston Steel & Mfg Co
Butler Mfg Co
Champion Sheet Metal Co
Columbian Steel Tank Co
Cutler Metal Products Co
Delta Tank Mfg Co
Downington Iron Works Inc
Eaton Metal Products Corp
Etnyre & Co E D
Farrell Mfg Co
FRUEHAUF TRAILER CO
Fuller Co
Gar Wood Industries Inc
Gary Steel Products Corp
Great Dane Trailers Inc
Heil Co
Hews Body Co
Highway Equipment Co
HIGHWAY TRAILER CO
Holan Corp
Industrial Steel Tank & Body Works Inc
Joplin Trailer Inc
Kaustine Furnace & Tank Corp
Kennedy Tank & Mfg Co
Krueger Fabricating Co Inc
Lang Co
Maday Body & Equip Co
Master Tank & Welding
Mississippi Tank Co Inc
Morrison Bros Co
Niles Steel Tank Co
Pennsylvania Furnace & Iron Co
Portersville Stainless Equipment Corp
Pressed Steel Tank Co
Progress Mfg Co Oil Equipment Div
Providence Body Co
Quaker City Iron Works
Rock Hill Body Co
Sharpsville Steel Fabricators Inc
Snyder Tank Corp
Stainless Steel Products Co
Standard Carriage Wks Inc
Standard Steel Works Inc
Stoughton Cab & Body Co
Superior Metal Products Inc
Tec Div—Heil Co
Tradewind Ind Inc
Trailmobile Inc
Transicold Corp
Truck Welding & Equipment Co
Wentworth & Irwin Inc
Wichita Body & Equipment Co
Wilco Inc

TAPE, MASKING *See Masking Tape*

TAPPETS, VALVE *See Valve Tappets*

TARPAULINS

Aero Canvas Products
Acme Backing Corp
Bemis Bro Bag Co
du Pont de Nemours & Co E I Fabric Div
East Akron Tarpaulin & Awning Co
General Scientific Equipment Co
Haartz-Mason Inc
Plummer Mfg Co W A
Snyder & Son Inc M L
Steinwachs Safety Supply
Tallyho Mfg Co
Turner Equipment Co
Turner Halsey Co
U S RUBBER CO
VULCAN RUBBER PRODUCTS DIV
Wellington Sears Co (fabric only)

TARPAULIN, Ratchet (For Tightening Rope)

ROBERT BOSCH CORP
East Akron Tarpaulin & Awning Co

TARPAULIN TIE-DOWNS

American Forge & Mfg Co
Cooper Tire and Rubber Co Industrial Rubber Div
Crosby-Laughlin Div
East Akron Tarpaulin & Awning Co
Rubberhide Co Inc

TAXIMETERS

ROBERT BOSCH CORP
Harvey E Hanson Co
SUN ELECTRIC CORP
SNAP-ON TOOLS CORP
United States Taximeter Co

TELL-TALE LAMPS *See Lamps, Tell-Tale*

TEMPERATURE, WATER GAGE *See Water Temperature Gage*

TERMINALS, WIRE *See Wire Terminals*

TESTERS, BATTERY *See Battery Testers*

TESTERS, BEARING WEAR *See Bearing Wear Testers*

TESTERS, BRAKE *See Brake Testing Machines*

TESTERS, COOLING SYSTEM LEAK *See Radiator Leak Detectors*

TESTERS, CRACK & FLAW *See Crack & Flaw Detectors*

TESTERS, DIESEL EQUIPMENT *See Diesel Equipment Testers*

TESTERS, DRIVER *See Driver Testing Equipment*

TESTERS, Electrical

Allen Electric & Equipment Co
Allied Radio Corp
Arrow Armatures Co
Auto-Test Inc
Berg-Gibson Mfg Co
Borroughs Tool & Equipment Corp
ROBERT BOSCH CORP
Century-Detroit Century Control Engrg Div
Doyle Electro Products Co
Du Mont Laboratories Inc Allen B
Eagle Electric Mfg Co Inc
Electronic Lights

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

TESTERS, FUEL MILEAGE TO TIRE INFLATORS

TESTERS, Electrical—*continued*

Fox Valley Instrument Co
General Electric Co Apparatus Sales Div
Graham Research Inc
Hahn Co
Hanson Co Harvey E
Heyer Industries Inc
Hoyt Electrical Instrument Works Inc
Ideal Industries Inc
International Products & Mfg Co
Kal-Equip Co
Kennedy Service Tools Co
King Electric Equipment Co
Machined Parts Corp
Martindale Electric Co
Mercury Electric Corp
Motoraide Corp
Nankervis Co George L
Nemco-Speedex Mfg Co
Newman Machine Co
Niehoff & Co C E
Shurhit Products Inc
Simpson Electric Co
SNAP-ON TOOLS CORP
SUN ELECTRIC CORP
TRIPLE-A-SPECIALTY CO
Weidenhoff Corp
Westinghouse Electric Corp
WILLARD STORAGE BATTERY DIV
Wilson Inc K R

TESTERS, ENGINE *See Analyzers or Oscilloscopes*

TESTERS, Fuel Mileage

Bennett-Feragen
ENGLER INSTRUMENT CO
Gauthier, Donat A
Hanson Co Harvey E
KENT-MOORE ORGANIZATION INC
King Electric Equipment Co
Manzel Unit

TESTERS, FUEL GAGE *See Fuel Gage Testers*

TESTERS, FUEL PUMP *See Fuel Pump Testers*

TESTERS, Headlight

A C SPARK PLUG DIV
John Bean Div
BEAR MFG CO
Hanson Co Harvey E
Heyer Industries Inc
Hopkins Mfg Corp
KENT-MOORE ORGANIZATION INC
Manbee Equipment Div
Three Star Sales Corp
WEAVER MFG DIV

TESTERS, IGNITION CONDENSER *See Ignition Condenser Testers*

TESTERS, IGNITION DISTRIBUTOR *See Ignition Distributor Testers*

TESTERS, SPARK PLUG *See Spark Plug Testers*

TESTERS, Valve & Clutch Spring

Accurate Parts Mfg Co
KENT-MOORE ORGANIZATION INC
Manzel Unit
McQUAY-NORRIS MFG CO
OWATONNA TOOL CO
Rinck-McIlwaine Inc
Rush Mfg Co E S
STURTEVANT CO P A

THERMOMETERS, Recording & Indicating

BACHARACH INDUSTRIAL INSTRUMENT CO
Barber-Colman Co
Bristol Co
Daystrom Inc Weston Instruments Div
Dillon Co W C
ELECTRIC AUTOLITE CO
Fischer & Porter Co
General Scientific Equipment Co
Manning Maxwell and Moore Inc
Minneapolis-Honeywell Regulator Co Industrial Div
Pacific Transducer Corp
Partlow Corp
Powers Regulator Co
Precision Thermometer & Instrument Co
Rochester Mfg Co
Ryan Recording Thermometer Co
Simpson Electric Co
Taylor Instrument Companies
Transicold Corp
United States Gauge Div

THERMOSTATS

Barber-Colman Co
Detroit Control Div
Dole Valve Co
Eaton Mfg Co Stamping Div
FORD DIV FORD MOTOR CO
Fulton Sylphon Div
HARRISON RADIATOR DIV
KING-SEELEY DIV
Mobil Oil Co
MOPAIR DIV CHRYSLER CORP
Partlow Corp
Practical Mfg Co
Spencer Div of Metals and Controls Corp
Standard-Thomson Corp
United States Electric Controls Co
Vapor Heating Corp

THERMOSTAT TESTERS

Dole Valve Co The
Eaton Mfg. Co Stamping Div
K-D MFG CO
Kleer-Flo Co
PRACTICAL MFG CO

THIRD AXLES *See Axle Units, Third*

THREADED INSERTS

Boots Aircraft Nut Corp
Groov-Pin Corp
HELI-COIL CORP
Hi-Shear Corp
NATIONAL SCREW & MFG CO
OWATONNA TOOL CO
Roylyn Inc
SOUTHCO DIV

THREAD RESTORERS

Buckingham Mfg Co Inc
Jaw Mfg Co
Kennedy Service Tools Co
OWATONNA TOOL CO
SNAP-ON TOOLS CORP
Wood Co Frank N

TIE-DOWNS, Cargo

Air Cargo Equipment Co
American Logging Tool Corp
Brown Line Corp
CAMPBELL CHAIN CO
Canton Manufacturing Co
Canton Malleable Iron
Cargo Stabilizing Devices
Cargotainer Div Tri-State Engineering Co
Collins & Associates Inc
Crosby-Laughlin Div
Danville Metal Stamping Co
Durbin-Durco Inc
Eagle Mfg Co
East Akron Tarpaulin & Awning Co
FIRESTONE TIRE AND RUBBER CO (inflatable dunnage)
GENERAL LOGISTICS DIV AEROQUIP CORP
Load Stop Mfg Co
Puritas Metal Products Co
Stacy Mfg Co
U S RUBBER CO (inflatable dunnage)
Youngstown Steel Car Corp

TIE-DOWNS, TARPAULINS *See Tarpaulin Tie-Downs*

TIMING CHAINS

Borg-Warner Service Parts Co
Chain Belt Co
Cloyes Gear & Products Inc
Diamond Chain Co
FORD DIV FORD MOTOR CO
Hoof Products Co
Lempco Products Inc
Link-Belt Co
MOPAR DIV CHRYSLER CORP
Morse Chain Co
Perfection Gear Co
Ramsey Products Corp
Republic Gear Co
UNITED STATES RUBBER CO (rubber belt)
Whitney Chain & Mfg Co

TIMING GEARS

A1-Fin Div
Borg-Warner Service Parts Co
Cloyes Gear & Products Inc

Continental-Diamond Fibre Corp
Detroit Bevel Gear Div
Elgin Machine Works Inc
FORD DIV FORD MOTOR CO
Hoof Products Co
International Parts Corp
Jambor Tool & Stamping Co
Lempco Products Inc
Perfection Gear Co
Republic Gear Co
Timing Gears Corp
Wells Inc Martin
Westinghouse Electric Corp Micarta Div
Wheel Parts & Mfg Co
Wolverine Gear & Parts Co

TIMING LIGHTS

Accurate Products Inc
Allen Electric & Equipment Co
Arsco Mfg & Sales Corp
Auto Test Inc
Cloyes Gear and Products Inc
Cornwall Quality Tools Co
Doyle Electro Products Co
Du Mont Laboratories Inc Allen B
Edelman & Co E
Hanson Co Harvey E
HASTINGS MFG CO
HERBRAND DIV
Heyer Industries Inc
Hoof Products Co
Kal-Equip Co
Kennedy Service Tools Co
King Electric Equipment Co
Nasa Tool Mfg Corp
National Machine & Tool Co
Niehoff Co C E
Schauer Mfg Corp
SNAP-ON TOOLS CORP
Star Products Co
SUN ELECTRIC CORP
Tungsten Contact Mfg Co
Tungsten Mfg Co
Weidenhoff Corp
Wood Co Frank N

TIRES

TIRES & TUBES

Armstrong-Norwalk Rubber Corp
ARMSTRONG RUBBER CO
Carlisle Tire & Rubber Div
COOPER TIRE & RUBBER CO
Corduroy Rubber Co
Cupples Co
DAYCO CORP TIRE DIV
Denman Rubber Mfg Co
Dunlop Tire & Rubber Corp
Durkee-Atwood Co
ENJAY CHEMICAL CO DIV
FIRESTONE TIRE & RUBBER CO
Fisk Tire Co Div
GATES RUBBER CO
GENERAL TIRE & RUBBER CO
GOODRICH CO TIRE & EQUIPMENT DIV B F
GOODYEAR TIRE & RUBBER CO
Harmo Tire & Rubber Corp
Inland Rubber Corp
KELLY-SPRINGFIELD TIRE CO
LAHER SPRING & ELECTRIC CAR CORP
LEE RUBBER & TIRE CORP
McCreary Tire & Rubber Co
Mansfield Tire & Rubber Co
Mitchell Industrial Tire Co Inc
MOBIL OIL CO
MOHAWK RUBBER CO
MONTGOMERY WARD CO
Pennsylvania Tire Co
Pure Oil Co
Sears Roebuck & Co
SEIBERLING RUBBER CO
Tire Mart Inc
UNITED STATES RUBBER CO

TIRE BRANDING IRONS

B & W Products Inc (rubber patch)
EVERHOT MFG CO
Keel & Co
Merkert & Sons
Myers Tire Supply Co
Stackhouse E H
Vulcan Electric Co

TIRE CARRIER

BEW Corp
BINKLEY MFG CO
Coachcraft Ltd
Heil Co
Hobbs Trailers
Hutchison Co
Industrial Steel Tank & Body Works Inc
Nash Bros Co

TIRE CHAINS

AMERICAN CHAIN DIV
CAMPBELL CHAIN CO
Columbus-McKinnon Chain Corp
Hite Mfg Co
Hodell Chain Co
LEE RUBBER & TIRE CORP
Lloyd Chain Mfg Co
McKay Co
Nixdorff-Krein Mfg Co
Peerless Chain Co
Roll-O-Matic Co
Russell Mfg Co Inc
St Pierre Chain Corp
Sal Metal Products Co
Southern Chain & Mfg Co
Stava Mfg Co
Taylor Chain Co S G
Thomas Co
Tractioneer Co
Turner & Seymour Mfg Co
United States Chain Co
Western Chain Co

TIRE CHAIN ADJUSTERS

AMERICAN CHAIN DIV
CAMPBELL CHAIN CO
Crown Products Co
Easy-On-Chain Clips
GATES RUBBER CO
Grayson Tool Co
Hodell Chain Co
LEE RUBBER & TIRE CORP
Loock & Co R J
McKay Co
Nauman Mfg Corp R F
Nixdorff-Krein Mfg Co
Peerless Chain Co
Raymond Mfg Div
St Pierre Chain Corp
Tingley Rubber Corp
UNITED STATES RUBBER CO
Western Chain Co
Wickwire Spencer Steel Div

TIRE CHAIN REPAIR LINKS

CAMPBELL CHAIN CO
Flower City Specialty Co
Hodell Chain Co
LEE RUBBER & TIRE CORP
Loock & Co R J
McKay Co
Nixdorff-Krein Mfg Co
Peerless Chain Co
Rawhide Products Co
Raymond Mfg Div
Roll-O-Matic Chain Co
St Pierre Chain Corp
Sal Metal Products Co
Taylor Chain Co S G
Western Chain Co
Wickwire Spencer Steel Div

TIRE CHAIN REPAIR TOOLS

AMERICAN CHAIN DIV
CAMPBELL CHAIN CO
Columbus-McKinnon Chain Corp
Hodell Chain Co
McKay Co
Manley Div
P-F Automotive Div
St Pierre Chain Corp

TIRE CORD

American Enka Corp
BEKAERT STEEL WIRE CORP
CHEMSTRAND CORP
E I DU PONT DE NEMOURS & CO Textile Fibers Dept
GENERAL TIRE & RUBBER CO
FIRESTONE TIRE & RUBBER CO
Industrial Rayon Corp
LEE RUBBER & TIRE CORP
Myers Tire Supply Co
SEIBERLING RUBBER CO
TYREX INC
UNITED STATES RUBBER CO
Webster Rubber Co

TIRE DEMOUNTERS, Powered

BIG FOUR INDUSTRIES INC
BISHMAN MFG CO
Coats Co
EVERHOT MFG CO
Speedway Machine & Tool Co Inc

TIRE INFLATORS

Arsco Mfg & Sales Corp
Astoria Mfg Co Inc
Balcrank Inc
BENNETT PUMP DIV
Erie Meter Systems Inc
EVERHOT MFG CO
Gilbert & Barker Mfg Co
IMPERIAL BRASS MFG CO
Kennedy Service Tools Co

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

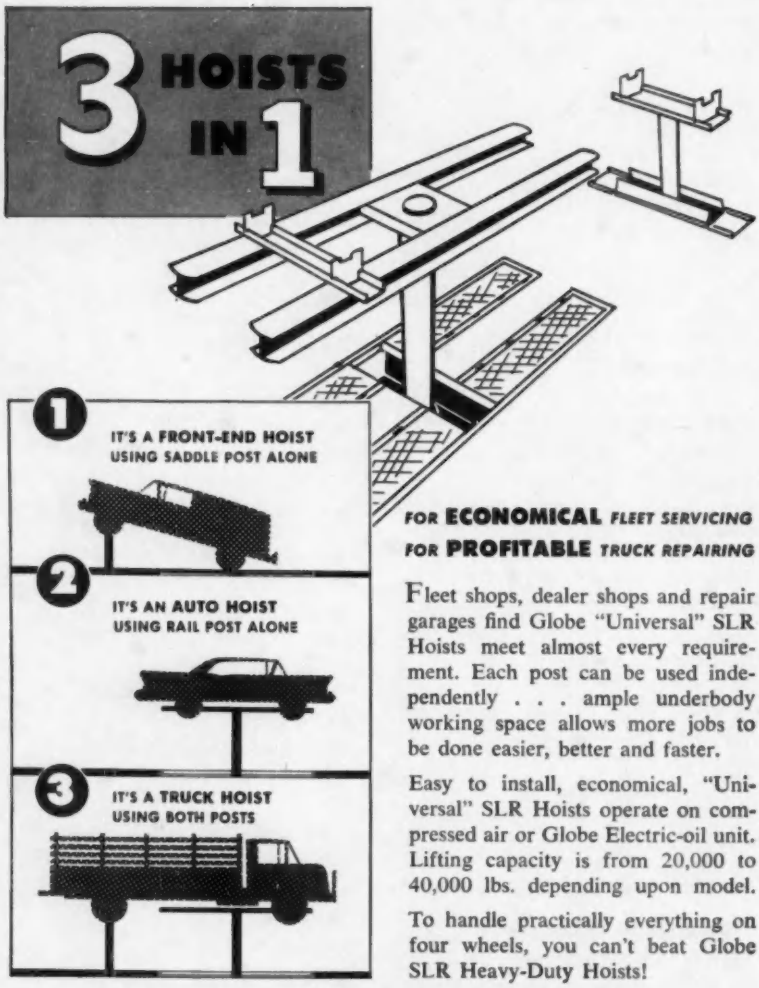
TIRE INFLATING GUARDS TO TIRE RECAPPING SERVICE

TIRE INFLATORS—*continued*

Kirspel Industries Inc
Myers Tire Supply Co
Romort Mfg Co
SCHRADER'S SON DIV A
Snyder & Son Inc M L

TIRE INFLATING GUARDS

Arsco Mfg & Sales Corp
Belmont Body Builders
BRANICK MFG CO
Hennessy Co Inc Jack P
Kennedy Service Tools Co
Kirspel Industries Inc
Myers Tire Supply Co



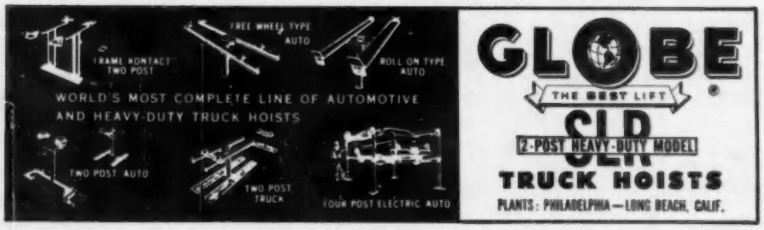
FOR **ECONOMICAL** *FLEET SERVICING*
FOR **PROFITABLE** *TRUCK REPAIRING*

Fleet shops, dealer shops and repair garages find Globe "Universal" SLR Hoists meet almost every requirement. Each post can be used independently . . . ample underbody working space allows more jobs to be done easier, better and faster.

Easy to install, economical, "Universal" SLR Hoists operate on compressed air or Globe Electric-oil unit. Lifting capacity is from 20,000 to 40,000 lbs. depending upon model.

To handle practically everything on four wheels, you can't beat Globe SLR Heavy-Duty Hoists!

Write today for complete information. Globe Hoist Company East Mermaid Lane at Queen Street, Philadelphia 18, Penna.



TIRE LUBRICANTS

AMERICAN GREASE STICK CO
American Sand-Banum Co Inc
BISHMAN MFG CO
Cohutta Talc Co
Dow Corning Corp
Durkee-Atwood Co
Gross Mfg Co
Hennessy Co Inc Jack P
Hollingshead Corp R M
International Metal Polish Co Inc
MOHAWK RUBBER CO
Myers Tire Supply Co
National Adhesives Div
Norimrust Corp
PERMATEX CO INC
Rawhide Products Co
REMACO INC
UNION CARBIDE CONSUMER PRODUCTS CO DIV
Western States Mfg Co

TIRE PRESSURE GAGES

Acme Air Appliance Co
Amseco Inc
Barmotive Products Inc
BENNETT PUMP DIV
BIG FOUR INDUSTRIES INC
Bridgeport Brass Co
DILL MFG CO
Druge Bros Mfg Co
Durkee-Atwood Co
Fisher Products Corp A R
G M Co Mfg Inc
Kennedy Service Tools Co
Myers Tire Supply Co
Omega Service Parts Corp
REMACO INC
SCHRADER'S SON DIV A
SEIBERLING RUBBER CO
Syracuse Gauge Co

TIRE RECAPPING EQUIPMENT

Bacon American Corp
Balloon Tire Mould Co
BANDAG INC
BRANICK MFG CO INC
CHICAGO PNEUMATIC TOOL CO
GENERAL TIRE & RUBBER CO
Harold E Kimes Corp
Heintz & Co James C
Kirspel Industries Inc
Laitner Brush Co
MOHAWK RUBBER CO
Myers Tire Supply Co
Reading Tire Machinery Co
Rush Mfg Co E S
Salsbury Corp
SEIBERLING RUBBER CO
Skil Corp
Super Mold Corp Lodi Div
Thor Power Tool Co
UNITED STATES RUBBER CO

TIRE RECAPPING SERVICE

BANDAG INC
FIRESTONE TIRE & RUBBER CO
GENERAL TIRE & RUBBER CO KRAFT DIV
GOODYEAR TIRE & RUBBER CO
Hawkinson Co

● More details? Circle 199 on reply card inside back cover

only DO-RAY® gives you the exclusive, revolutionary one lever, pull out feature

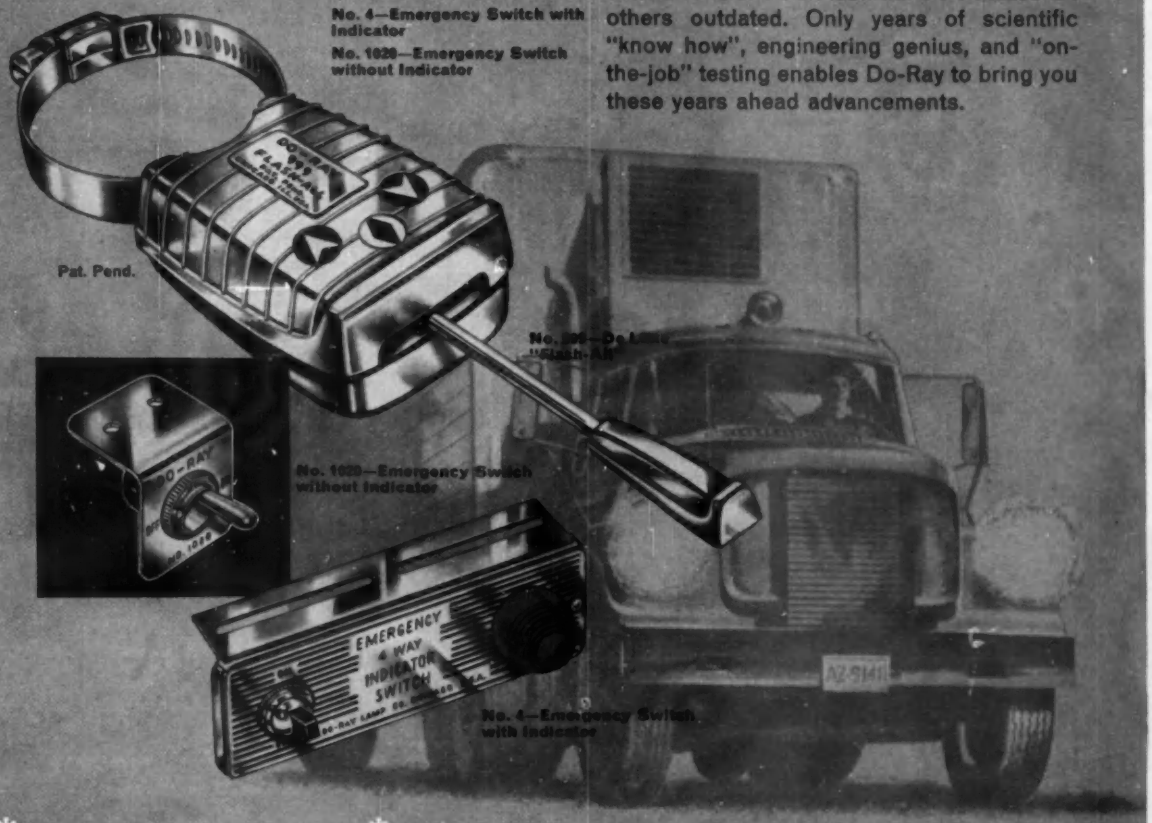
"FLASH-ALL"

other switches available:

No. 4—Emergency Switch with Indicator

No. 1020—Emergency Switch without Indicator

DO-RAY, as always . . . first with the finest, now brings you the most revolutionary development in traffic hazard switches. Another exclusive first . . . Flash-All . . . makes all others outdated. Only years of scientific "know how", engineering genius, and "on-the-job" testing enables Do-Ray to bring you these years ahead advancements.



* **No. 999—Deluxe "FLASH-ALL"**

Completely modern . . . one lever does the whole job; controls all the turn signals. Slide lever to either side to flash directional signals. Pull lever out to flash all signals at the same time . . . meeting new ICC regulations. Yes, just one lever now does the job . . . no need to fumble in the dark for special switch, button or handle. Pilot indicator lights; rigid construction; all die cast parts. Easy to install; fits all wiring circuits. 999 (Metallic Grey); 999-C (Chrome Plated). 6, 12, or 24 volts.

* **No. 4—EMERGENCY SWITCH WITH INDICATOR**

Easy to install with existing turn signal indicators; fits any wiring circuit. Heavy duty toggle switch flashes all turn signals simultaneously. Sturdy steel construction. 6 or 12 volts. Also available less bulb to keep inventory at minimum —consult price list.

No. 1020—EMERGENCY SWITCH WITHOUT INDICATOR

Economy model to fit any existing installations . . . any wiring circuit. In "on" position, flashes all turn signals simultaneously. Easy to install; sturdy steel construction; heavy duty toggle switch. 6 or 12 volts.

* *Furnished with either No. 534 — 12 volt Heavy Duty Flasher (flashes 1 to 6, 21 C.P. or 32 C.P. lamps); or No. 535 — 6 volt Heavy Duty Flasher (flashes 1 to 6, 21 C.P. lamps only). Consult price list for switches without flashers.*

Since 1916 . . . engineering and designing with the future in sight.

DO-RAY® LAMP COMPANY, INCORPORATED

1458-68 South Michigan Avenue • Chicago 5, Ill., U.S.A.

● More details? Circle 200 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

TIRE REGROOVERS TO TIRE SERVICE EQUIPMENT

TIRE RECAPPING SERVICE—*continued*

LEE RUBBER & TIRE CORP
MOHAWK RUBBER CO
Penetred Corp
SEIBERLING RUBBER CO
Webster Rubber Co

TIRE REGROOVERS

Bean Div John
BIG-FOUR INDUSTRIES INC
Dixie-Jibo Co
Honeycutt Tool Mfg Co
Keel & Co
Mertens Mfg Co Joseph
Myers Tire Supply Co
REMACO INC
Stackhouse E H
Thompson & Sons O E

TIRE REPAIR COMPOUNDS

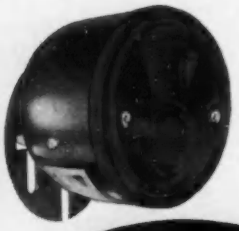
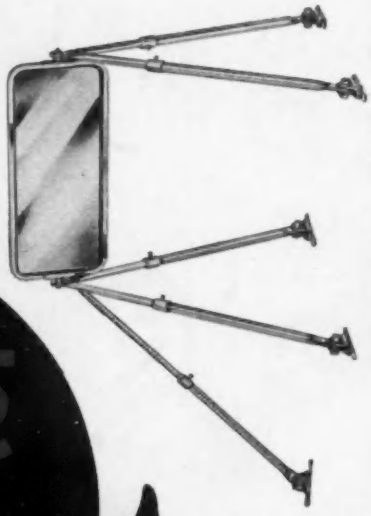
AMERICAN GREASE STICK CO
Automatic Vulcanizers Corp
Better Monkey Grip Co
Bowes "Seal Fast" Corp
Durkee-Atwood Co
FIRESTONE TIRE & RUBBER CO
GATES RUBBER CO
GENERAL TIRE & RUBBER CO
Gold Eagle Products Co
Gross Mfg Co
Hollingshead Corp R M
Instant Seal Corp
Kex Products
LEE RUBBER & TIRE CORP
Liquid Veneer Corp
Myers Tire Supply Co
Patch Rubber Co
REMACO INC
SCHRADER'S SON DIV A
Shaler Co
UNITED STATES RUBBER CO
Webster Rubber Co

TIRE RUBBER

BANDAG INC
Goodrich-Gulf Chemicals Inc
GOODYEAR TIRE & RUBBER CORP
LEE RUBBER & TIRE CORP
MOHAWK RUBBER CO
Myers Tire Supply Co
SEIBERLING RUBBER CO
Webster Rubber Co

TIRE SERVICE EQUIPMENT

ALBERTSON & CO INC
Automotive Equip Mfg Co
BIG FOUR INDUSTRIES INC
BISHMAN MANUFACTURING CO
BRANICK MFG CO INC
Buxbaum Products Co
CHICAGO PNEUMATIC TOOL CO
Coats Co
DILL MANUFACTURING CO
EVERHOT MFG CO
Fromberg Co
Hemmeter Corp
Hennessy Co Inc Jack P
K-D MFG CO
Kennedy Service Tools Co
May Bros Mfg Co Inc
Monarch Mfg Co
Myers Tire Supply Co
OWATONNA TOOL CO
Par Sales Co
REMACO INC
SCHRADER'S SON DIV A
SEIBERLING RUBBER CO
Skil Corp
SNAP-ON TOOLS CORP
Speedway Machine and Tool Co

Grote

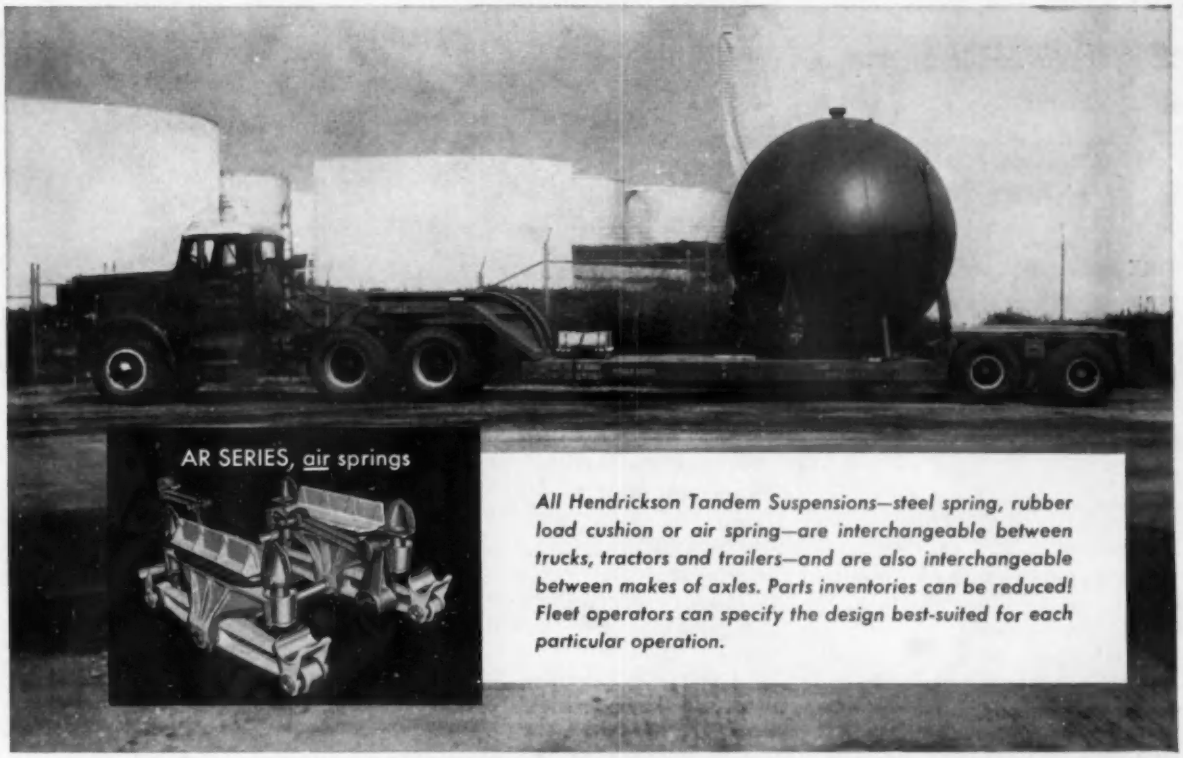
Selected as original equipment by over 450 manufacturers of trucks, buses and trailers.

Three items from the comprehensive line of Grote Safety Equipment approved by all states, exceeding S. A. E. specifications and complying with new ICC regulations.

Lamps • Directional Signals • Reflectors • Flares • Mirrors

GROTE MANUFACTURING CO. State Route #7—P. O. Box 766 NMS, Madison, Indiana

● More details? Circle 201 on reply card inside back cover



Schutt uses a Hendrickson-equipped tractor-trailer combination to haul this liquid oxygen storage tank. The lightweight Autocar Tractor features a Cummins NH-220 Diesel Engine, Fuller 10-B-1120 Transmission, Eaton 38DS Axle with 6.17:1 ratio and 11:00 x 22.50 tires. Trailer tires are 10:00 x 15. The Hendrickson AR-320 Air Tandem Suspension has a rated capacity of 34,000 pounds, weighs only 642 pounds.

Air-Soft ride for Critical Cargoes with HENDRICKSON *Air* Suspension

HENDRICKSON TANDEM

To provide a silk-smooth ride for such delicate heavyweight cargoes as storage tanks for liquid oxygen and portable nuclear power plants, John Schutt, Jr., Incorporated, Buffalo, New York, specified Hendrickson Air Ride Tandems on its Talbert Low-Bed Trailers.

The requirements of this type of hauling include stable support for extremely heavy loads, plus a soft ride to prevent any damage to the costly cargo. Schutt specified the Hendrickson Tandems because the basic Hendrickson equalizing beam design reduces the effect of road irregularities 50% while maintaining perfect axle alignment. Tire wear is reduced appreciably; Schutt officials have found that Hendrickson Air Suspension has *tripled* tire mileage. Steering is reported to be much better than with suspensions previously used, and the Hendrickson Air Ride Tandem keeps frame height constant under all conditions of load.

HENDRICKSON Mfg. Co. ®

HENDRICKSON MFG. COMPANY • 8001 W. 47TH ST. • LYONS (CHICAGO SUBURB) ILLINOIS

● More details? Circle 202 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

TIRE TESTING TANKS TO TIRE VALVES & CAPS

TIRE SERVICE EQUIPMENT—*continued*

STOW MFG CO

Super Mold Corp Lodi Div
Tallyho Mfg Co
Tire-King Equipment Co

TIRE TESTING TANKS

Balcrank Inc
Balloon Tire Mould Co

BIG FOUR INDUSTRIES INC

BISHMAN MFG CO

Coats Co
Hennessy Co Inc Jack P
Independent Iron Works
Kennedy Service Tools Co
Lawson Co F H
Myers Tire Supply Co

TIRE TOOLS, HAND

A B C Mfg Co
Apco Mossberg Co
Balloon Tire Mould Co
Bean Div John

BEAR MFG CORP

Big Boy Products Div

BIG FOUR INDUSTRIES INC

BISHMAN MFG CO

Bos Tool Co
Bowes "Seal Fast" Corp
Bridgeport Hardware Mfg Corp
Cam Tool Co

CHICAGO PNEUMATIC TOOL CO

Chicago Tool & Kit Mfg Co
Cleveland Graphite Bronze Div
Coats Co
Coats Loaders & Stackers Inc
Duro Metal Products Co

EGAN MFG CO H B

Greb Co

HERBRAND DIV

Indestro Mfg Co

INGERSOLL-RAND CO

K-D MFG CO

Keel & Co

KEN TOOL MFG CO

Kennedy Service Tools Co
Kerkling-Martin Inc
Kirspel Industries Inc
Lectrolite Corp
Lee Engineering Co
Lummis Mfg Co
Manley Div
May Bros Mfg Co
Mesco Products
Myers Tire Supply Co
National Machine & Tool Co
New Britain Machine Co Hand Tool Div
P & C Tool Co
Power Pak Products Inc
Proto Tool Co
Quality Tools Corp

REMACO INC

Rinck McIlwaine Inc
St Pierre Chain Corp
Salsbury Corp

SCHRADER'S SON DIV A

SEIBERLING RUBBER CO

SNAP-ON TOOLS CORP

Speedmaster Ltd
Stackhouse E H

THREE STAR SALES CORP

Tire Machinery Corp of America

WEAVER MFG DIV

Western States Mfg Co

TIRE STOCK RACKS *See Racks, Stock Storage*

TIRE VALVES & CAPS

Acme Air Appliance Co
Bowes "Seal Fast" Corp
Bridgeport Brass Co
Carlan Instruments Co
Continental Rubber Works

DILL MFG CO

You can't select brake blocks on appearance—nearly all brands look alike! But you can sure pick SCANDINAVIA for the *BIG* difference everybody knows—*performance*. You'll have maximum heavy-duty braking efficiency, longer useful life, less down time with Scandinavia Combination ZT-Molded units. Say "SCANDINAVIA" *for the difference it makes*. May we serve you!

SCANDINAVIA
BRAKE BLOCKS • BRAKE LININGS

Always in stock at our friendly warehouses

• Cambridge, Mass. • Cleveland, Ohio • Indianapolis, Ind. • Newark, N.J.

Division of Scandura INC.

North Tryon St. at Keswick Ave. (P.O. Box 949), Charlotte 1, N.C.

● More details? Circle 203 on reply card inside back cover

Jenny® increases payload up to 300 pounds!

Buyers don't want payload under the trailer. They want trailers clean so they can be loaded to capacity *inside*. That's why Joe Shea, maintenance supervisor for Strick Trailers of Chicago, keeps a Series "1800" Hypressure Jenny Steam Cleaner busy an average of six hours a day, cleaning up to 300 pounds of dirt per trailer off the 300-400 models on display for prospective customers all the time.

Alert trailer operators insist on clean undercarriages, because they don't get paid for hauling dirt, mud and grime. And Jenny puts money in their pockets by cleaning off dollar-thieving muck.

The Series "1800" Jenny saves up to 80% of the costly man-hours spent on cleaning by fleet owners, industry, construction contractors, highway departments, implement and equipment dealers. All "1800" models have 180 gallons per hour steam cleaning capacity and optional flushing and rinsing capacity up to 480 gallons per hour, for effective and economical cleaning. To find out how Jenny can increase your payload, mail this coupon.

Series "1800" Jenny delivered anywhere in U. S. A. for as low as $1392.00.

Homestead Valve Manufacturing Company 90
Hypressure Jenny Division
Coraopolis, Pennsylvania

Please send me complete details on your Model "1800" Jenny.

Name.....Title.....

Company.....

Address.....

City.....Zone.....State.....

hv

HOMESTEAD VALVE MANUFACTURING COMPANY
Hypressure Jenny Division—Coraopolis, Pa.
(In Canada: Hypressure Jenny Sales & Service, Ltd.
517 Jarvis St., Toronto 5, Ont. C. S. A. Approved)

● More details? Circle 204 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

TIRE VALVE TOOLS TO TOOL BOXES

TIRE VALVES & CAPS—cont'd

Druge Bros Mfg Co
Durkee-Atwood Co
Emvir Mfg Co
G M Co Mfg Inc
GOODRICH TIRE CO B F
Hill Nut Co
Kex Products Co
LEE RUBBER & TIRE CORP
MECHANEX CORP
Myers Tire Supply Co
Patch Rubber Co
Planet Metal Products Corp
REMACO INC
SCHRADER'S SON DIV A
SEIBERLING RUBBER CO
Speaker Corp J W
Victor Instrument Mfg Co

TIRE VALVE RETHREADING TOOLS

Acme Air Appliance Co
Cal-Van Machine Products Inc
DILL MFG CO
Duro Metal Products Co
G M Co Mfg Inc
Indestro Mfg Co
Kennedy Service Tools Co
KEN TOOL MFG CO
Myers Tire Supply Co
National Machine & Tool Co
Planet Metal Products Corp
REMACO INC
Rinck-McIlwaine Inc
Rovtar Tool-Die Mfg Co
SCHRADER'S SON DIV A
SEIBERLING RUBBER CO

TIRE VALVE STEM LOCKS

Carlan Instrument Co Inc
Mechanex Corp The
Truck & Trailer Products Inc

TIRE VULCANIZERS

Acme Air Appliance Co
Balloon Tire Mould Co
BIG FOUR INDUSTRIES INC
Biggs Steel Foundry and Fabricating Co
BISHMAN MFG CO
Bowes "Seal Fast" Corp
Bridgeport Brass Co
Center Line Mfg Co
DILL MFG CO
EGAN MFG CO
GENERAL TIRE & RUBBER CO
Heintz & Co James C
Myers Tire Supply Co
National Rubber Co Ltd
REMACO INC
SCHRADER'S SON DIV A
Shaler Co
Speaker Corp J W
Super Mold Corp Lodi Div
Western States Mfg Co

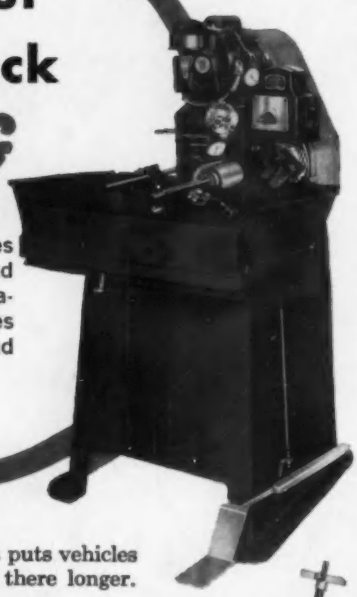
TOE-IN GAGE *See Alignment Equipment (Front End)*

TOOL BOXES

Chicago Tool & Kit Mfg Co
Consolidated Metal Products Inc
Duro Metal Products Co Hand Tool Div
Hobbs Trailers
Huot Mfg Co
Kennedy Mfg Co
Morysville Body Works Inc
Overbeke-Kain Co
OWATONNA TOOL CO
Proto Tool Co
SNAP-ON TOOLS CORP
Standard Carriage Wks Inc
Warner Commercial Body Inc

Keep your rolling stock ROLLING

Down-time on your vehicles means loss of service and income . . . all the more reason to be sure your engines give top performance and long service.



Sunnen Engine Rebuilding Equipment puts vehicles back in service faster . . . keeps them there longer.

For Pin Fitting: Sunnen Honing Machines have no equal for producing exact clearance or interference pin fits . . . the work itself is precision gaged to assure factory accuracy.

For Rod Reconditioning: The Sunnen Cap and Rod Grinder grinds the rod parting faces square to the side. The rods are then honed back to their original standard size. This round and true rod bore will guarantee adequate oil pressure and proper heat dissipation—resulting in long bearing life.

Equip your shop with "Sunnen". You will save time and money as many other fleet shops have, throughout the nation.

Write us for literature or a free demonstration right in your own shop.

981

SUNNEN® PRODUCTS COMPANY

7907 Manchester Avenue
St. Louis 17, Missouri
Canadian Factory: Chatham, Ontario

WORLD LEADER IN HONING ACCURACY

Cotton Duck or Nylon EITHER WAY- YOU'RE COVERED

Name your truck tarp requirements . . . there's a Wellington Sears fabric that fits them perfectly! The many types and weights of cotton ducks supplied by Wellington Sears are built for long, hard service. For truck tarps made of coated materials, there's Wellington Sears Welkote nylon—a strong, light base fabric specifically engineered for vinyl or neoprene coating and the choice of quality coaters.

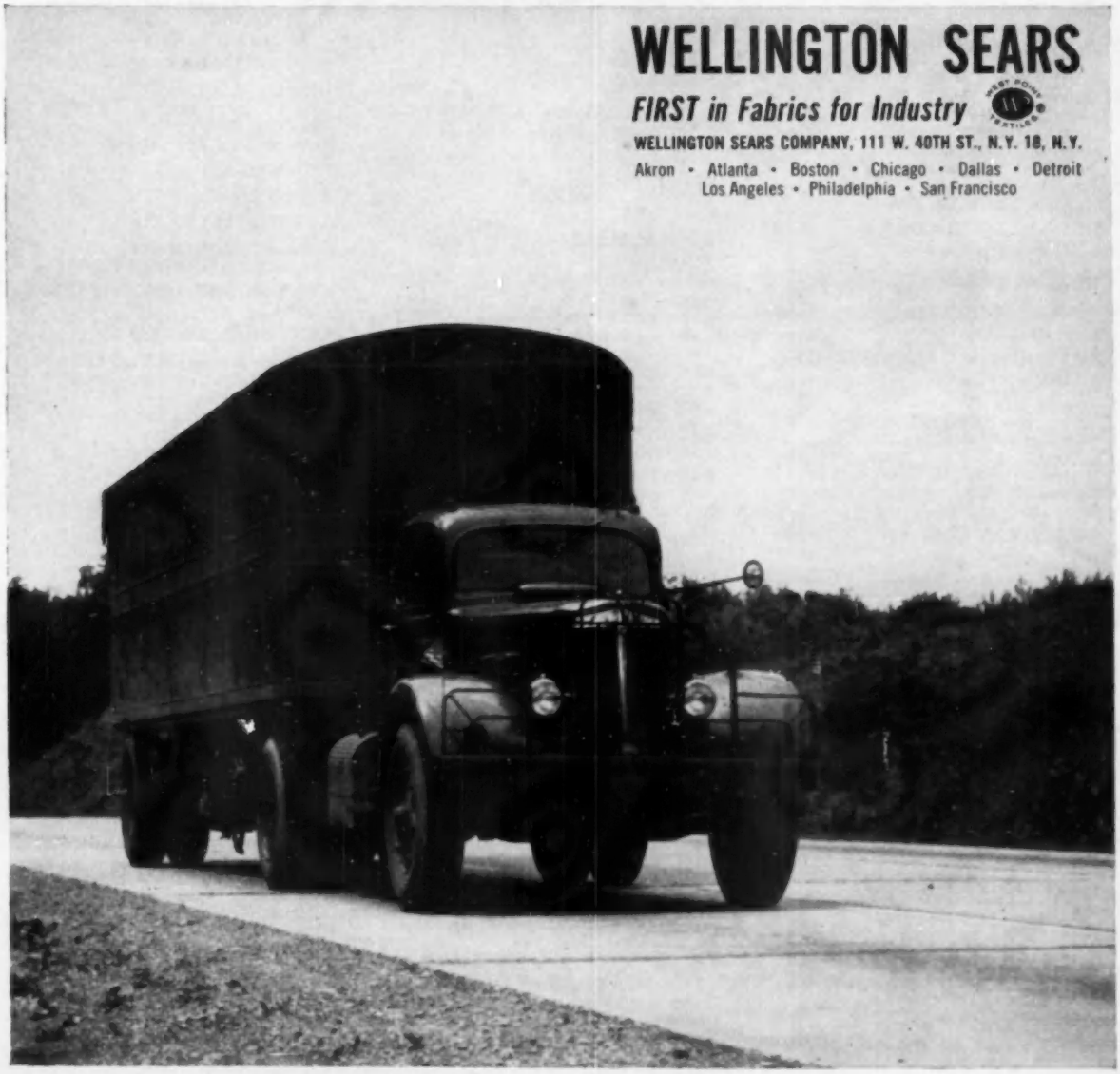
You'll find Wellington Sears fabrics in the lines of leading distributors. And you can choose them with complete confidence. They're backed by a century of experience in supplying fabrics to industry. And they've been proved in use to deliver the protection and durability you want. Write us for the names of suppliers . . . and for our free illustrated booklet "Protective Cover Fabrics," Dept. U-11.

WELLINGTON SEARS

FIRST in Fabrics for Industry

WELLINGTON SEARS COMPANY, 111 W. 40TH ST., N.Y. 18, N.Y.

Akron • Atlanta • Boston • Chicago • Dallas • Detroit
Los Angeles • Philadelphia • San Francisco



For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

TOOLS, BODY TO TOOLS, HAND

TOOLS

TOOLS, Body
(See also Rams, Hydraulic)

A B C Mfg Co
Airetool Mfg Co
American Saw & Mfg Co
Bee Line Co
BLACKHAWK AUTOMOTIVE DIV
Blair Equipment Co
Bonney Forge & Tool Works
Brown Tool Mfg Co
CHICAGO PNEUMATIC TOOL CO
Chicago Tool & Kit Mfg Co
Douglas Tool Co
Dualmaster Products Co
Duro Metal Products Co
Fairmont Tool & Forging Inc
Food Machinery & Chemical Corp
Hauschild Mfg Co F J
HEIN-WERNER CORP
Heller Tool Co
HERBRAND INC
Hopkins Mfg Corp
K-D MFG CO
KENT-MOORE ORGANIZATION INC
Keysco Mfg Co
Milwaukee Electric Tool Co
New Britain Machine Co., Hand Tool Div
Nicholson File Co
Nolvex File Co
OEM Products Co
OWATONNA TOOL CO
P & C Tool Co
P-F Automotive Div H K Porter Inc
Penn Fibre & Specialty Co
Perfect Parts Inc
Proto Tool Co
Quality Tools Corp
Red Devil Tools
Rivette Mfg Co
Roberts Toledo Rubber Co
Salisbury Corp
SNAP-ON TOOLS CORP
Stanley Tools
Steck Line Tools Inc
Stream Line Tools Inc
Swiss Laboratory
Tingley Rubber Co
Vulcan Mfg Co
WATERVLIET TOOL CO
Whitney Metal Tool Co
Wilde Tool Co
Williams & Co J H
Wilson Inc K R

TOOLS, Brake Spring

BARRETT EQUIPMENT CO
Cal-Van Machine Products Inc
Champion DeArment Tool Co
Chicago Tool & Kit Mfg Co
Corwell Quality Tools Co
Denis Mfg Co
Duro Metal Products Co
HASTINGS MFG CO
HERBRAND DIV
Jaw Mfg Co
K-D MANUFACTURING CO
Kennedy Service Tools Co
KENT-MOORE ORGANIZATION INC
Krome Co
Manzel Unit
Nasa Tool Mfg Corp
New Britain Machine Co Hand Tools Div
OWATONNA TOOL CO
Proto Tool Co
Quality Tools Corp
RAYBESTOS DIV
Rinck McIlwaine Inc
Rush Mfg Co E S
SNAP-ON TOOLS CORP
Utica Drop Forge & Tool Div
Vaco Products Co
Williams & Co J H

TOOLS, CLUTCH ALIGNMENT *See Clutch, Alignment Tools*

TOOLS, FLARING *See Tubing Flaring Tools*

TOOLS, Hand

ABC Mfg Co
Accurate Products Inc
Agner Simplex Co
Apco Mossberg Co
Apex Machine & Tool Co
Armstrong Bros Tools Co
Armstrong Mfg Co
Atmars Tool Co
BMC Mfg Co
BACHARACH INDUSTRIAL INSTRUMENT CO
BARRETT EQUIPMENT CO
Bath & Co John
Bay State Tap & Die Co
Beall Tool Div
Beard Tool Co
Bergman Tool Mfg Co
Besley & Co Chas H
Billings & Spencer Co
BLACKHAWK MFG CO
Boker & Co
Bonney Forge & Tool Works
Bremil Mfg Co
Bridgeport Hardware Mfg Corp
Brubaker & Bros Co W L
Buckeye Reliner Producing Co
Burndy Corp
Burroughs Tool & Equipment Corp
Callahan Mfg Co
Cal-Van Machine Products Inc
Cam Tool Co Inc
Card Mfg Co S W Div
Central Tool Co
Champion DeArment Tool Co
Chicago Tool & Kit Mfg Co
Cincinnati Tool Co
Cleveland Steel Tool Co
Columbian Vise & Mfg Co
Cornwell Quality Tool Co
Conant & Donelson Co
Crescent Co
Danielson Mfg Co
Delaware Tool Steel Corp
Division Lead Co
Dixon Inc William
Douglas Tool Co
Dura-Bond Engine Parts Co
Dualmatic Products Co
Duro Metal Products Co
Exide Industrial Div
Fairmount Tool & Forging Co
Forsberg Mfg Co
Fox Products Co
G M Mfg Co
Gasket Packing & Specialty Co
General Scientific Equipment Co
Geometric Tool Co Div
Gerrard Co A J
GOODRICH CO B F
GOODYEAR TIRE & RUBBER CO
Greene Tweed & Co
Greenfield Tap & Die Corp
Hahn Co
Hanson-Whitney Machine Co
HASTINGS MFG CO
HEIN-WERNER CORP
Hendry Co C J
HERBRAND DIV
Holub Industries Inc
Hunt Mfg Co
Ideal Industries Inc
IMPERIAL BRASS MFG CO
Indestro Mfg Co
Jari Products Inc
Jaw Mfg Co
Jergans Tool Specialty Co
K-D MFG CO
Kaalot Mfg Co
KELSEY-HAYES CO
Kaywood Products Corp
Kennedy Service Tools Co
KENT-MOORE ORGANIZATION INC
KEN TOOL MFG CO
Keystone Reamer & Tool Co
Kirspel Industries Inc
Kwik-Ezee Inc
Lambert Products Inc
Landis Machine Co
Larson Tool & Stamping Co
Leterstone Sales Co
Loock & Co R A
Lufkin Rule Co
M-M-A Inc
Magnesium Co of America
Manzel Unit
MARSON CORP
Martindale Electric Co
Matticks Mfg Co
Mayhew Steel Products Inc
Mechanic's Tool & Forge Co
Metal Engineering Co
Milbar Corp
Miller Mfg Co
Millers Falls Co
Moffatt Products Inc
Morse Twist Drill & Machine Co
Myers Tire Supply Co
Nasa Tool Mfg Corp
National Machine & Tool Co
Nemco-Speodex Mfg Co Div
New Britain Machine Co
New England Pressed Steel Co
New Plastic Corp
Niagara Machine & Tool Works
Nielsen Inc E V
OEM Products Co Inc
OWATONNA TOOL CO
P & C Tool Co
P-F Automotive Div
Park Metalware Co
Peck Stowe & Wilcox Co

New from THERMO KING...

HEAT KING

Super Capacity, Positive Control Cargo Heater

Now, a completely mechanical, self-contained cargo heater. A super-heater backed by dependable Thermo King engineering, with a super-capacity of 60,000 B.T.U.s per hour. Set the automatic temperature controls and Heat King does the rest. A Thermo King-developed heat exchanger circulates heat around the cargo for sure protection . . . keeps a constant, controlled temperature all through the load, every mile of the run. Heat King gives you low initial cost, low operating cost, and carries the famous Thermo King Warranty.

175 Sales and Service Centers Throughout the U.S.

SAFE—NO FLAMES! NO FUMES!

- Extremely light weight—275 lbs.
- Constant Controlled Temperature
- Easily installed and interchanged
- Mounts on the trailer with just 4 bolts

HEAT KING *Another Dependable Product*
from the **THERMO KING CORPORATION**

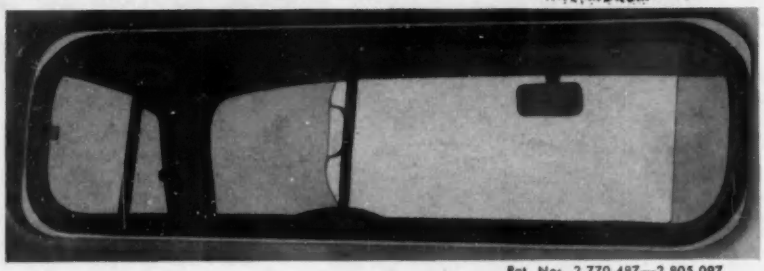
Write: 316-318 West 90th Street, Minneapolis 20, Minnesota

World Leader in Transport Temperature Control

● More details? Circle 207 on reply card inside back cover

BARBER'S DELUXE REAR WINDOWS for All Trucks

GETS THE JOB DONE!

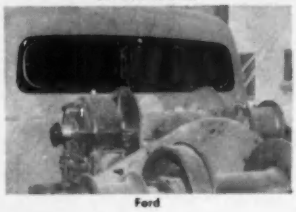


Pat. Nos. 2,770,487—2,805,097
(Other Pat. Pend.)

Immediate Delivery

1947-60 Auto Car
1947-60 Chevrolet
1948-60 Dodge
1954-60 Diamond "Ts"
1948-60 Ford
1954-60 GMC
1954-60 Internationals
1950-60 Macks B & D Models
1951-60 Reo
1941-60 Studebaker
1952-60 White

Chevrolet & GMC



Ford

Barber's DeLuxe S-L-I-D-I-N-G Rear Truck Windows *answer* the many problems . . . Give Drivers full-view rear work opening to operate winch controls, straighten cables, *true air conditioning without refrigeration* and hear instructions . . . Gives Management a Faster, Safer Job.

- **Fits original rear cab opening!**
- **Installs in just 20 minutes!**
- **Locks when closed!**
- **Completely Weather Proof!**

Tempered (heat treated) Safety Glass is now used in all Barber's Deluxe sliding rear windows for trucks.

P.S. This glass is unconditionally guaranteed against breakage for a period of one year.

Now new G. M. type setting rubber is used for easier and faster installation.

When ordering please include make, model and year. Installation instructions with each unit. Overnight delivery to many areas.

Also Units Available for Crew (Cabs) Shelters, Sleepers, Flat Backs, Station Wagon, Sedan Delivery, Panel Trucks and Units Made to Order.

BARBER'S GLASS & MANUFACTURING CO.
13 & 15 HARRISON, BOX 588, Phone CEntral 5-4358, OKLAHOMA CITY, OKLA.

PRODUCT DIRECTORY

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

TOOLS, HAND TO TOOLS, IGNITION

TOOLS, Hand—*continued*

Peterson Mfg Co
Proto Tools
Polaris Products Inc
Power Master Sales Co
Pratt & Whitney Div
Proto Tool Co
Quality Tools Corp
Reiff & Nestor Co
Reltool Corp
Rhode Island Tool Co
Richards Co J A
Rink McIlwaine, Inc
Roberts Toledo Rubber Co
Rosenberg Bros & Co
Rovtar Tool-Die Mfg Co
Royal Tools Inc
Rush Mfg Co E S
S-K/Lectrolite Tools
St. Pierre Chain Corp
Sherman-Klove Co
Smith & Sons Inc Seymour
SNAP-ON TOOLS CORP
Standard Tool Co
Stanley Tools
Star Products Co
Starrett Co L S
Stevens-Walden Inc
Stortz & Son John
Sweeney Mfg Co B K
Trimont Mfg Co Div
Truth Tool Co
Tuck Mfg Co
Union Tool Co
Union Twist Drill Co
Union Twist Drill Co Butterfield Div
Upland Industries Inc
Ushco Mfg Co
Utica Drop Forge & Tool Div
Unican Plastics Co Inc
Vaco Products Co
Vermont Tap & Die Corp
Vlchek Tool Co
Walworth Co
Western Automatic Machine Screw Co
Whitaker Mfg Co
Whitman & Barnes Div
Wilde Drop Forge & Tool Co
Williams & Co J H
Wiss & Son Co J
Wilton Tool Mfg Co Inc
Wood Co Frank N
Wood & Spencer Co
Wright Tool & Forge Co
Xcelite Inc
Zoerman-Clark Mfg Co

TOOLS, Ignition

Billings & Spencer Co
BLACKHAWK MFG CO
Bonney Forge & Tool Works
Chicago Tool & Kit Mfg Co
Cornwell Quality Tools Co
Duro Metal Products Co
HERBRAND DIV
Hoffman E W & W G

Longer casing life is built in by Gates High Capacity Process

YES... longer casing life — greater retreadability — are literally 'built into' every Gates Tire bearing the HC High Capacity emblem.

HOW? Gates High Capacity Process *pre-tensions* the thousands of tempered nylon cords in the tire body to equalize internal stress.

SO... more even distribution of load results — and this in turn minimizes the shock effect of road impact, lessens stress concentration.

DON'T take our word for it! Read here about the experience of a large-scale, long-time user of Gates Truck Tires.

HC HIGH CAPACITY

Tire maintenance man inspects Gates Tire on P.I.E. tractor just off the road. In background: a small part of P.I.E.'s fleet loading at Salt Lake City docks.

Pacific Intermountain Express finds Gates Tires deliver the goods... in good shape... in good time!

Pacific Intermountain Express, one of the nation's finest large carriers, finds Gates Tires meet their critical standards of mileage and quality. P.I.E. uses Gates Tires to deliver the goods over the thousands of miles in their vast interstate trucking system... in good shape... in good time.

Backed by Gates Unconditional ROAD HAZARD GUARANTEE

against ANY failure whatever. This includes blowouts, bruises, rim-cuts, etc., for full tread life. *No time or mileage limit.* Should tire fail for *any reason,* you will receive a new tire at once, with full credit for unused mileage based on Gates standard adjustment schedule.

- GET your free copy of *Gates Truck Tire Service and Engineering Data Book* by writing

The Gates Rubber Company Sales Division, Inc., Denver, Colorado

Gates Truck Tires

● More details? Circle 208 on reply card inside back cover

Clayton DYNAMOMETERS INSURE PEAK PERFORMANCE OF RYDER TRUCK RENTAL UNITS

Clayton Chassis Dynamometer installation at 5-acre "model shop" operated in Miami, Florida, by Ryder Truck Rental for maintenance of 1100 vehicles in Miami District. The plant is a prototype for proposed Ryder shops in other cities.

RYDER LEASED TRUCKS "WEIGH-IN" REGULARLY TO CHECK PERFORMANCE

More than 17,000 truck units operated in over half the fifty states of the nation by Ryder Truck Rental are tested periodically by the Clayton Dynamometer. This determines if each unit is operating at peak performance under all conditions.

Ryder also uses the Clayton Dynamometer to test overhauled units under accurately simulated road driving conditions before being returned to service. After-service checks prove service workmanship . . . allow fine tuning to desired power ranges for maximum efficiency.

After periodic engine overhauls, all Ryder Truck Rentals units are subjected to rigid indoor road tests on the Clayton Chassis Dynamometer to test engine under actual power load conditions before being restored to road service.

A COMPLETE LINE

Clayton Chassis Dynamometers are available in various single axle and twin axle models, with capacities from 150 to 800 rear wheel horsepower.

Clayton CHASSIS & ENGINE DYNAMOMETERS

CLAYTON MANUFACTURING COMPANY
433 N. Temple City Blvd., El Monte, California

312

PRODUCT DIRECTORY

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

TOOLS, IGNITION TO TOOLS, VALVE GUIDE

TOOLS, Ignition—*continued*

Indestro Mfg Co
Jaw Mfg Co
K-D MFG CO
Kal-Equip Co
Kastar Inc
Kem Mfg Co
Kennedy Service Tools Co
KENT-MOORE ORGANIZATION INC
Loock & Co R J
Manzel Unit
Metal Engrg Co
National Ignition Mfg Co
New Britain Machine Co Hand Tools Div
OWATONNA TOOL CO
P & C Tool Co
Proto Tool Co
Quality Tools Corp
Rovtar Tool-Die Mfg Co
Shaw Co Joseph
SNAP-ON TOOLS CORP
STANDARD MOTOR PRODUCTS INC
SUN ELECTRIC CORP
Wilde Drop Forge & Tool Co
Williams & Co J H

TOOLS, INJECTOR SERVICE *See Injector Service Tools*

TOOLS, PISTON PIN REMOVING & INSTALLING *See Piston Pin Removing & Installing Tools*

TOOLS, PISTON RING COMPRESSING *See Piston Ring Compressing Tools*

TOOLS, PISTON RING GROOVE CLEANING *See Piston Ring Groove Cleaning Tools*

TOOLS, TIRE *See Tire Tools*

TOOLS, TIRE CHAIN REPAIR *See Tire Chain Repair Tools*

TOOLS, TIRE VALVE RETHREADING *See Tire Valve Rethreading Tools*

TOOLS, TRANSMISSION *See Transmission Tools*

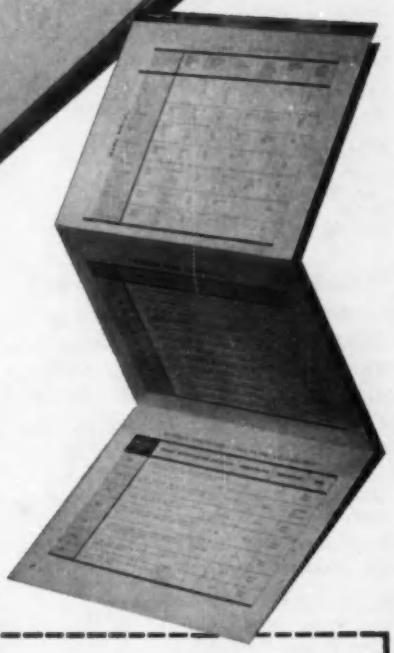
TOOLS, TUBE CUTTING *See Tubing Cutters*

TOOLS, Valve Guide

ALBERTSON & CO
Al-Power Mfg Co
HALL-TOLEDO INC
HERBRAND DIV
K-D MFG CO
Kennedy Service Tools Co
KENT-MOORE ORGANIZATION INC

FREE

NEW COMPLETE AUTOMOTIVE CLEANING GUIDE AT YOUR FINGERTIPS



Looking for new ways to speed your operation . . . to trim labor and material costs while improving the quality of the work?

Here, in an easy-to-file, easy-to-use file folder is a complete guide to modern automotive cleaning methods, materials and equipment — organized in chart form for instant reference.

PARTIAL CONTENTS:

Engine & Chassis Cleaning
Desludging
Parts Cleaning
Hot Tank Cleaners
Cold Tank Cleaners
Radiator Cleaners
Automotive Cleaning Equipment
Preventative Maintenance
Appearance Reconditioning
Refinishing
Shop Maintenance
Paints & Finishes

Automotive Maintenance
Materials • Methods • Machines

magnus
CHEMICAL COMPANY INC.
38 South Avenue, Garwood, N. J.

Please rush your new, free "Complete Automotive Cleaning Guide."

NAME _____

POSITION _____

COMPANY _____

ADDRESS _____

CITY _____ STATE _____

FOR YOUR PROTECTION, MAGNUS PRODUCTS ARE AVAILABLE ONLY FROM OUR OWN EXPERIENCED AUTOMOTIVE SALES-SERVICE REPRESENTATIVES.

For addresses of manufacturers, see Manufacturers Directory starting on page 236

TOOLS, VALVE SEAT TO TRANSMISSION GEARS

TOOLS, Valve Guide—cont'd

Lee Co K O
Lisle Corp
Manzel Unit
McQUAY-NORRIS MFG CO
New Britain Machine Co
National Machine & Tool Co
OWATONNA TOOL CO
PITTSBURGH PLATE GLASS CO
Proto Tool Co
SEALED POWER CORP
SNAP-ON TOOLS CORP
Thor Power Tool Co
Versnick Mfg Co
Wilde Drop Forge & Tool Co
Zim Mfg Co

TOOLS, Valve Seat Installing

BISHMAN MFG CO
CEDAR RAPIDS ENGRG CO
HALL-TOLEDO INC
HERBRAND DIV
K-D MFG CO
KENT-MOORE ORGANIZATION INC
Lee Co K O
Manzel Unit
McQUAY-NORRIS MFG CO
OWATONNA TOOL CO
SCHRADER'S SON DIV A
Skil Corp
Thor Power Tool Co

TORQUE CONVERTERS

Allison Div
Borg & Beck Div
CLARK EQUIPMENT CO TRANSMISSION DIV
DANA CORP
FULLER MFG CO TRANSMISSION DIV
Long Mfg Div
MOPAR DIV CHRYSLER CORP
ROCKWELL - STANDARD CORP TRANSMISSION & AXLE DIV
Twin Disc Clutch Co
Western Gear Corp

TORQUE WRENCHES

AMMCO TOOLS INC
Apco Mossberg Co
Armstrong Bros Tool Co
C & G Wheel Puller Co
CEDAR RAPIDS ENGRG CO
Chicago Tool & Kit Mfg Co
CLARK EQUIPMENT CO AUTOMOTIVE DIV
Cornwell Quality Tools Co
Duro Metal Products Co
Fairmount Tool & Forging Inc
HASTINGS MFG CO
HERBRAND DIV
INGERSOLL-RAND CO
Jo-Line Tools Inc
KENT-MOORE ORGANIZATION INC
Manzel Unit
McQUAY-NORRIS MFG CO
New Britain Machine Co
OWATONNA TOOL CO
P & C Tool Co
Proto Tool Co
Richmont Inc (also torque screwdrivers and testers)
Robinson Mfg Co
Skill Corp
SNAP-ON TOOLS CORP
STURTEVANT CO P A
SUNNEN PRODUCTS CO
Sweeney Mfg Co B K
Wilson Inc K R

TORQUE WRENCH TESTERS

Apco Mossberg Co
Chatillon & Sons John
HERBRAND DIV
KENT-MOORE ORGANIZATION INC
OWATONNA TOOL CO
Performance Measurements Co
Proto Tool Co
Steel City Testing Machines Inc
Sweeney Mfg Co B K

TOWERS, Hydraulic (For Use In Overhead Repairs)

Gordon Metal Products Co
Holan Corp J H
McCabe-Powers Body Co
Silent Hoist & Crane Co
Stahl Metal Products Inc
Transport Products Co
Utility Tool & Body Co

TOWING BARS

BARTLETT TRAILER CORP
Cam Tool Co Inc
Fulton Co
Holan Corp
Holland Hitch Co
HOLMES CO ERNEST
Manley Div
Marion Mfg Co
Pilot Mfg Co
WATSON CO H S
Weld-Built Body Co Inc
Wood-Williams-Coop Mfg Co

TOWING HOOKS

Austin Trailer Equipment Co
Barkow Co H
Cam Tool Co Inc
Cleveland Hardware & Forging Co
F W D Co
Holan Corp
Holland Hitch Co
HOLMES CO ERNEST
Lencor Mfg Corp
Weld-Built Body Co Inc

TRACTION GRIT *See Grit, Vehicle Traction*

TRACTORS, Crawler

Allis-Chalmers Mfg Co
J I Case Co
Caterpillar Tractor Co
Deere & Co
Eimco Corp
Euclid Div
INTERNATIONAL HARVESTER CO
The Oliver Corp

TRACTORS, TRUCK *See Trucks*

TRACTORS, Wheeled Industrial

Allis-Chalmers Mfg Co
Brockway Motor Trucks Div
Caterpillar Tractor Co
Case Co J I
Clark Equipment Co (Michigan)
Cockshutt Farm Equipment Ltd
Deere & Co
Ford Motor Co (Dexta)
Ford Motor Co (Fordson)
INTERNATIONAL HARVESTER CO
Massey-Ferguson Inc
Minneapolis-Moline
NAPCO INDUSTRIES INC AXLE DIV
Oliver Corp The
Sheppard Co Inc R H
Shovel Supply Co (Ferguson)
Tiger Tractor Corp

TRAILERS

TRAILERS, Automobile Transport

BROCKWAY MOTOR TRUCKS DIV
EVANS PRODUCTS CO
Fox Body Co
FRUEHAUF TRAILER CO
Mechanical Handling Systems Inc
Spencer-Safford Loadcraft Inc
Traffic Transport Engr Inc
Troyler Corp
Whitehead & Kales

TRAILERS, Commercial

ALF-Herman Body Co
Ace Trailer & Equipment Co Div
Adams Engrg Co
Aerobilt Bodies Div
Aluminum Body Corp
American Body & Trailer Inc
American Machine Works
American Trailer & Mfg Co
Andrews Industries Inc
Anthony Co
Athey Products Corp
Atlas Trailer Mfg Corp
Auto Truck Steel Body Co
Baker Equipment Engineering Co
Barrentine Mfg Co
BARTLETT TRAILER CORP
Beall Pipe & Tank Corp
Bedell Trailer Co
Birmingham Mfg Co
Black Diamond Trailer Co
Brooks & Perkins Inc

Brown Truck & Trailer Mfg Co
BROWN TRAILER DIV
Brunswick Body Wks
C & C Trailer & Body Co
Carlisle Machine Works
Cemco Industries Inc
Challenge-Cook Bros Equipment Co
Clark Co B M
CLARK EQUIPMENT CO
Clement-Braswell Inc
Converto Mfg Co
Cooke Bros Equipment Co
Copco Trailers Div
Cox & Sons Leon O
Cox Trailers Inc
Dart Truck Co
Delphi Body Works
Detroit Trailer Co
DORSEY TRAILERS INC
Duplex Mfg Co
Easton Car & Construction Co
Edwards Equip Co
Eidal Mfg Co
Eight Point Trailer Co
Elder Trailer & Body Inc
Elkhart Welding & Boiler Works Inc
Eshelman Co Cheston L
Evans Mfg Co John
FAB Mfg Co
Farrell Mfg Co
Feigelson Co Alex
Flxible Co (for buses)
FONTAINE TRUCK EQUIPMENT CO
Freightliner Corp
FRUEHAUF TRAILER CO
Fuller Co
Galion Allsteel Body Co
Gar Wood Industries Inc
Gerstenslager Co
Gindy Mfg Corp
GLEDHILL ROAD MACHINERY CO
Great Dane Trailers Inc
Hanson Clutch & Machinery Co
Heil Co
Hercules Steel Products Co
HIGHWAY TRAILER CO
Hobbs Trailers Div
Humes Truck & Trailer Mfg Co
Industrial Steel Tank & Body Works Inc
Kelly Ryan Equipment Co
Kentucky Mfg Co
Keystone Trailer & Equipment Co
Kingham Trailer Co
La Crosse Trailer Corp
Langlois Bros
Lodestar Corp
Lufkin Foundry and Machine Co
LYNCOACH & TRUCK CO
McCabe-Powers Body Co
McKay Mfg Co John A
Marion Metal Products Co
Martin Trailer Div
Mastercraft Trailers Inc
Miami Specialties Co
Mighty Mover Straddle Trailer Co
Miller & Smith Mfg Co
Miller Tilt-Top Trailer Inc
Miller Trailers Inc
Nabors Trailers Div
Nelson Mfg Co
Nimrod Equipment Corp
Norwin Trailer Div
Ohio Body Mfg Co
Omaha Body and Equipment Co
Omaha Standard
Oneida Div Marmon-Herrington Co
Oren Fire Apparatus Co
PAGE & PAGE CO
Pak-Mor Mfg Co
PARISH PRESSED STEEL DIV
Paul Bunyon Co
Peerless Trailer Co
Penn Body Div
PERFECTION DIV
Pierce Trailer & Equipment Co
Pointer-Williamette Co
Progress Mfg Co Oil Equipment Div
RAVENS-METAL PRODUCTS INC
Reliance Trailer & Truck Co
ROGERS BROS CORP
Santeler Bros
Schafer Plow Co
Schertzer Equipment Co
Schuylkill Trailer & Equipment Co
Selma Trailer & Mfg Co
Sideloading Trailers Inc
Spartan Aircraft Co
Spencer-Safford Loadcraft Inc
Spen & Co Henry
Sprout Waldron & Co
Standard Trailer Co
Strick Trailers Div
Superior Trailer Mfg Corp
Talbert Trailers Inc
Tec Div Heil Co
Thomas & Co Peter
Thompson Trailer Corp
Timmons Metal Products Co
Timpte Bros Inc
Trailco Mfg & Sales Co
Trailevator Div Maglene Inc
TRAILMOBILE INC
Trans-Equipment Corp
Transport Trailers Inc
Troyler Corp
Truck Equipment Co
Truck Parts & Equipment Inc
Truck-Trailer Supply Co
Utility Tool & Body Co
Utility Trailer Mfg Co
Veenema & Wiegers Inc
Vulcan Trailer Mfg Co
Weber Trailer & Mfg Co
Wells Cargo Div
Wentworth & Irwin Inc
Westland Trailer Co
Whitehead & Kales Co
Williamsen Body & Equipment Co
Wilson Trailer Co
Winter-Weiss Co
Wolf Engrg Corp

TRAILER AXLES *See Axles, Trailer*

TRAILER AXLE DOLLIES *See Axle Dollies*

TRAILER CONNECTOR ELECTRIC *See Connectors, Trailer Electric*

TRAILER FLOORING *See Flooring*

TRAILER HITCHES

BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
DAYTON STEEL FOUNDRY CO THE
MIDLAND-ROSS CORP OWOSSO DIV
Spencer-Safford Loadcraft Inc
Tradewind Ind Inc
Utility Trailer Mfg Co
WESTERN UNIT CORP

TRAILER LOCKS

BARTLETT TRAILER CORP
EBERHARD MFG CO DIV
Echart-Trailock Div
Polar Hardware Mfg Co
Spencer-Safford Loadcraft Inc

TRAILER SUSPENSION UNITS *See Axle Suspension Units Trailer*

TRAILER TANKS *See Tanks, Trailer & Truck Body*

TRAILER WHEELS *See Wheels*

TRANSMISSIONS

Allison Div General Motors Corp
CLARK EQUIPMENT CO TRANSMISSION DIV
Cotta Transmission Co
DANA CORP
Detroit Gear Div
Detroit Transmission Div
Eaton Mfg Co Automotive Gear Div
F A B Mfg Co
FORD DIV FORD MOTOR CO
FULLER MFG CO TRANSMISSION DIV
Lempco Products Inc
MOPAR DIV CHRYSLER CORP
RAYBESTOS DIV
ROCKWELL - STANDARD CORP TRANSMISSION & AXLE DIV
Thompson Products Replacement Div
Twin Disc Clutch Co
Warner Gear Div

TRANSMISSIONS, Auxiliary

CLARK EQUIPMENT CO
Cotta Transmission Co
DANA CORP
EATON MFG CO
FULLER MFG CO TRANSMISSION DIV
RAYBESTOS DIV (parts only)
Thompson Products Replacement Div (parts only)
Truckstell Mfg Co
Warner Gear Div
Watson Co H S

TRANSMISSION FLUID *See Oils & Lubricants*

TRANSMISSION GEARS & SHAFTS

ALLIED AUTOMOTIVE PARTS CO
Borg-Warner Service Parts Co
Brad Foote Gear Works Inc
CLARK EQUIPMENT CO
Cleveland Hone & Mfg Co
Cotta Transmission Co
DANA CORP
Detroit Bevel Gear Div
Dittmer Gear Div
Eaton Mfg Co Automotive Gear Div
Fairfield Mfg Co
FORD DIV FORD MOTOR CO
Fox Co Thomas T Electronic & Machine Div
GREY-ROCK DIV
International Parts Corp
Lempco Products Inc
Levene Motor Co
Lion Auto Parts & Mfg Co

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

TRANSMISSION TOOLS TO TRUCKS, FIRE

TRANSMISSION GEARS & SHAFTS—*continued*

Modern Machine Works Inc
MOPAR DIV CHRYSLER CORP
Muskegon Piston Ring Co
New Process Gear Div
OEM Products Co Inc
Ohio Gear Co
Perfection Gear Co
RAYBESTOS DIV
Republic Gear Co
SNAP-ON TOOLS CORP
Thompson Products Replacement Div
Toledo Steel Products Div
Warner Automotive Parts Div
Wohlert Corp Service Div

TRANSMISSION JACKS *See Jacks, Transmission*

TRANSMISSION OIL FILTERS *See Oil Filters, Transmission*

TRANSMISSION STANDS *See Stands*

TRANSMISSION TOOLS

KENT-MOORE ORGANIZATION INC
Neapco Products Inc
Proto Tool Co
SNAP-ON TOOLS CORP
Stephenson Industries Inc

TROUBLE LAMPS *See Lamps, Trouble*

TRUCKS

TRUCKS, Gasoline

American-Coleman Co
AUTOCAR DIV
Available Truck Co Div
BROCKWAY MOTOR TRUCKS DIV
Challenge-Cook Bros Equipment Co
Champion Carriers Inc
CHEVROLET MOTOR DIV
Cline Truck Co
Corbitt Co
Crafton Marine Engine Co
Crown Coach Corp
DIAMOND T MOTOR TRUCK CO
DIVCO TRUCK DIV
DODGE DIV
Duplex Div
F A B Mfg Co
Federal Motor Truck Co
FORD DIV FORD MOTOR CO
FWD Corp
GMC TRUCK & COACH DIV
HENDRICKSON MFG CO
INTERNATIONAL HARVESTER CO
KW-Dart Truck Co
Kenworth Motor Truck Co
Lofstrand
MACK TRUCKS INC
Marmon-Herrington Co Inc
Mercedes-Benz Sales Inc
Milford Crane & Machine Co
OSHKOSH MOTOR TRUCK INC
Peterbilt Motors Co
Renault Inc
REO DIV
Sicard Industries Inc
St Louis Car Co (Wolf-wagon)
STUDEBAKER-PACKARD CORP
Truckstell Mfg Co
Volkswagen of America Inc
VOLVO IMPORT INC TRUCK DIV
Walter Motor Truck Co
Ward-LaFrance Truck Corp
WHITE MOTOR CO
Willys Motors Inc

TRUCKS, Diesel

American Coleman Co
AUTOCAR DIV
Available Truck Co Div
BROCKWAY MOTOR TRUCKS DIV
Challenge-Cook Bros Equipment Co
Cline Truck Co
Corbitt Co
DIAMOND T MOTOR TRUCK CO
DODGE DIV
Duplex Div
Euclid Div
FWD Corp
Federal Motor Truck Co
Freightliner Corp
GMC TRUCK & COACH DIV
HENDRICKSON MFG CO
INTERNATIONAL HARVESTER CO
KW-Dart Truck Co
Kenworth Motor Truck Corp
LeTourneau-Westinghouse Co
LEYLAND MOTORS (USA) INC
MACK TRUCKS INC
Marmon-Herrington Co Vehicle & Oneida Divs
Mercedes-Benz Sales Inc
OSHKOSH MOTOR TRUCK INC
Parsons Co
Peterbilt Motors Co
REO DIV WHITE MOTOR CO
Sicard Industries Inc
VOLVO IMPORT INC
Walter Motor Truck Co
Ward-LaFrance Truck Corp
WHITE MOTOR CO

TRUCK BODY HOISTS *See Body Hoists*

TRUCK DOORS (OVERHEAD) *See Doors, Overhead, Truck & Trailer*

TRUCK DOORS, STEEL *See Doors, Truck Steel*

TRUCK FLOORING *See Flooring Truck & Trailer*

TRUCK FRAMES *See Frames Pressed Steel*

TRUCK GATES, FOLDING *See Gates, Truck Folding*

TRUCK LOADERS (ELEVATING TAILGATE) *See Tail Gates Elevating*

TRUCKS, Dump (Construction & Off Highway)

(See also Bodies Dump)

Allis-Chalmers Mfg Co
AUTOCAR DIV
BROCKWAY MOTOR TRUCKS DIV
DIAMOND T MOTOR TRUCK CO
Duplex Div
Euclid Div
FWD Corp
Fuller Co
GMC TRUCK & COACH DIV
HENDRICKSON MFG CO
INTERNATIONAL HARVESTER CO
KW-Dart Truck Co
Kenworth Motor Truck Co
Koehring Co
LeTourneau-Westinghouse Co
MACK TRUCKS INC
Marmon-Herrington Co Vehicle & Oneida Divs
OSHKOSH MOTOR TRUCK INC
Peterbilt Motors Co
REO MOTORS DIV
Walter Motor Truck Co
Wooldridge Mfg Div

TRUCKS, Electric

Cleveland Vehicle Co
Cushman Motor Works Inc
Custer Specialty Co
Pettibone Mulliken Corp

TRUCKS, Fire Apparatus

American-LaFrance Corp
BOYERTOWN AUTO BODY WORKS INC
BROCKWAY MOTOR TRUCKS DIV
Crown Coach Corp
Federal Motor Truck Co
FWD Corp
General Fire Truck Co
Gichner Iron Works Inc Fred S
Hahn Motors Inc
HENDRICKSON MFG CO
Howe Fire Apparatus Co
MACK TRUCKS INC
Maday Body & Equip Co
Maxim Motor Co
Monatco Mfg Corp
Oren Roanoke Corp
OSHKOSH MOTOR TRUCK INC
Pierce Auto Body Works Inc
Pirsch & Sons Co Peter
Seagrave Corp
Universal Fire Apparatus Corp
Walter Motor Truck Co
Ward-LaFrance Truck Corp

TRUCKS, FORK LIFT *See Lift Trucks*

the quality of EIS BRAKE PARTS *shows up at every stop!*

Preference for **EIS — The Brake Parts Line** — is based on proved advantages. **EIS Brake Parts** build your reputation for top-quality replacements! **EIS Brake Parts** are built to rigid specifications, thoroughly inspected, packaged in easy-to-read cartons and described in quick-reference catalogs! Add the **EIS** reputation for fast delivery from any one of 36 strategically located warehouses and, sure as stopping, the profits in **EIS Brake Parts** have got to show up in every sale—in every job!

More details? Circle 212 on reply card inside back cover

Peanuts Characters © 1960 United Feature Syndicate, Inc.

When we say fleet owners, Linus, we mean businessmen . . . wise businessmen who have found Falcon the best way to save. That low Falcon price, plus the exceptional savings on gas and oil are just the beginning. Falcon's new aluminized muffler normally lasts three times as long as ordinary types. Even tires, repair bills (and in most states) insurance and licensing cost less. And here's more great news . . . so confident are Ford Dealers in Falcon's quality, durability and reliability, they were first to extend their warranty on a 1961 compact car to 12 months or 12,000 miles, whichever comes first. Get all the details on America's best-selling compact car and see a copy of the new, extended warranty at your local Ford Dealer's!

FORD DIVISION, Ford Motor Company,

THE FLEET CAR THAT SAVES YOU MORE

FORD Falcon '61

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

TUBING TO TUBING CUTTERS

TRUCKS, HAND, *See Hand Trucks*

TRUCKS, RENTAL (NATIONWIDE ONLY) *See Leasing Companies (Nationwide)*

TUBELESS TIRE EXPANDERS, BEAD *See Tire Service Equipment*

TUBES, INNER *See Tires & Tubes*

TUBING

TUBING, Brass, Copper & Steel

ALEXANDER - TAGG INDUSTRIES INC

BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO

Bundy Tubing Co

DORMAN PRODUCTS INC

Everhot Products Co
Excello Accessories Mfg Inc
Monroe Auto Equipment Co

REVERE COPPER & BRASS INC

REYNOLDS METALS CO

Titeflex Inc
Universal Metal Hose Co
Velvac Inc

WEATHERHEAD CO FORT WAYNE DIV

TUBING, Flexible

ALEXANDER-TAGG INDUSTRIES INC

American Brass Co Anaconda Hose Div
Atlantic Metal Hose Co
Continental Rubber Works
Co-Operative Industries Inc
D'Nomlart Inc
Flexico Products Inc
Flexonics Corp
Forsyth Metal Goods Co
Gabriel Co

IMPERIAL BRASS MFG CO

International Metal Hose Co
Mulconroy Co

REVERE COPPER & BRASS INC

Ryder Mfg Co
Titeflex Inc
Universal Metal Hose Co

TUBING CUTTERS

Arsco Mfg & Sales Corp
Chase Brass & Copper Co
Chicago Tool Kit Mfg Co
Cornwell Quality Tools Co

DORMAN PRODUCTS INC

ICC SPECIFIES IT...

DIETZ SUPPLIES IT!

There's a Dietz 4-Way Flare-Flash Emergency System to meet every need.

No. 110
with Pilot Light

Converts present turn signals to emergency warning lights by simply turning the Knob. Operates independently of any existing turn signal switch — either 4 wire or 7 wire. It is the only 4-way signalling device with flasher plugging into the switch.

No. 11 Economy Switch

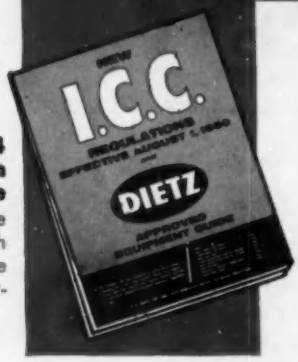
Operates the same as No. 110 except it uses a pilot light in the turn signal switch. For use only on vehicles with 4 wire turn signal switches.

No. 114
Rotary Turn Signal Switch
4-wire or 7-wire

Incorporates the functions of both the turn signal switch and the 4 way flash features in a single unit. Can be mounted on a dash by bracket to steering column or on cab ceiling.

DIETZ . . . dependable safety equipment that [illegible] with the new ICC requirements . . . Turn Signal Lamps • Stop and Tail Lamps • [illegible] Hazard Warning Switches • Reflectors • [illegible] and Marker Lamps • Identification Lamps.

Free 24-page booklet containing complete summary of the new ICC requirements and DIETZ approved Equipment Guide.



R. E. DIETZ CO., Dept. 111
225 Wilkinson St.
Syracuse 1, N. Y.

Send your ICC Regulation Booklet

Name _____ Title _____

Company _____

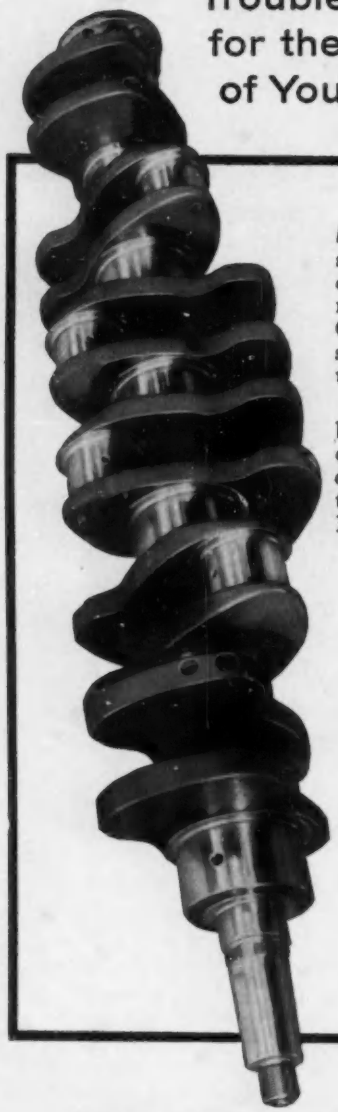
Street Address _____

City _____ Zone _____ State _____

● More details? Circle 214 on reply card inside back cover

morco®

Factory-Certified Exchange Crankshafts give Trouble-Free Operation for the Full Life Cycle of Your Diesel Engine



Morco dealers — coast to coast — are stocked with reconditioned, like-new crankshafts for different diesel engine models. Users of Detroit Diesel and Cummins engines can exchange worn shafts for MORCO factory-reconditioned shafts through authorized dealers.

Why take chances? Let your dealer be your source for dependable, safe crankshaft regrinding. You get immediate service, guaranteed quality and terrific economy. Ask your dealer about MORCO today.

Look what Morco's complete reconditioning service offers you!

Magnaflux—six separate magnaflux inspections with latest equipment.

Ground on production type equipment to engine manufacturer's specifications. Original stroke retained.

TOCCO* Induction Hardened by the original equipment method when necessary.

Rolled Fillets increase strength at the most critical areas.

Dynamic Balance restored on original factory balancing equipment.

Gear Fits renewed.

Key Ways restored.

Dowel Holes repaired.

Oil Seal surfaces renewed.

Threads repaired.

*TOCCO is a registered trademark of The Ohio Crankshaft Co.

morco INC.

Bedford, Ohio

a subsidiary of **The Ohio Crankshaft Company**

New **Free** Bulletin

MAIL COUPON TODAY!

Morco, Inc. — Dept. 5
22201 Aurora Road, Bedford, Ohio
Please send free copy of "The MORCO Story":

Name_____
Company_____
Address_____
City_____ Zone____ State____

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

TUBING CUTTERS TO TUBING FLARING TOOLS

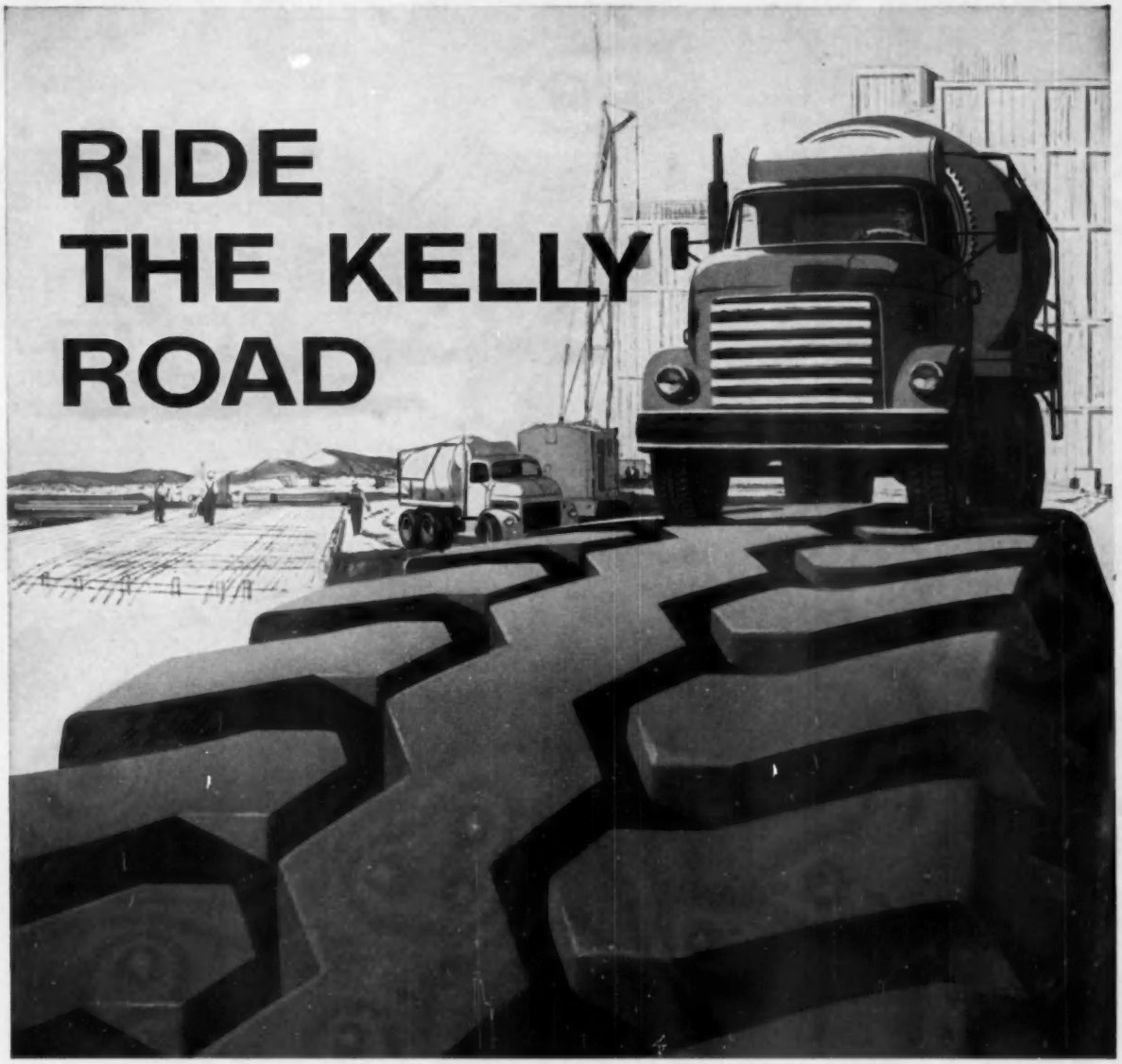
TUBING CUTTERS—*cont'd*

Duro Metal Products Co.
Edelmann & Co E
Everhot Products Co
Excello Accessories Mfrs Inc
Fairmount Tool and Forging Inc
HERBRAND DIV
IMPERIAL BRASS MFG CO
J & J Machine Co
Kennedy Service Tools Co
KENT-MOORE ORGANIZATION INC
Leader Screw & Mfg Co
National Machine & Tool Co
New Britain Machine Co
OEM Products Co Inc
OWATONNA TOOL CO
Parker Fittings & Hose Div
Penn Brass & Copper Co
Preferred Electric & Wire Co
Proto Tool Co
Quality Tools Corp
Ridge Tool Co
Rinck-McIlwaine Inc
Rovtar Tool-Die Mfg Co
SNAP-ON TOOLS CORP
Toledo Pipe Threading Machine Co
Trimont Mfg Co Div
Velvac Inc
WEATHERHEAD CO FORT WAYNE DIV
J H Williams & Co
Zoerman-Clark Mfg Co

TUBING FLARING TOOLS

Arsco Mfg & Sales Corp
Chicago Tool & Kit Mfg Co
Cornwell Quality Tools Co
DORMAN PRODUCTS INC
Duro Metal Products Co
Edelmann & Co E
Everhot Products Co
Fairmount Tool & Forging Inc
HERBRAND DIV
IMPERIAL BRASS MFG CO
Kennedy Service Tools Co
KENT-MOORE ORGANIZATION INC
OEM Products Co Inc
OWATONNA TOOL CO
Penn Brass & Copper Co
Proto Tool Co
Quality Tools Corp
Rinck McIlwaine Inc
SNAP-ON TOOLS CORP
Velvac Inc

● More details? Circle 215 on reply card incide back cover



...for extra miles of dependable service!

KELLY

DUAL TRAC

Gives sure traction off the highway; rolls smoothly on. Extra heavy tread of exclusive Armorubber resists chipping, tearing. Nylon-cord body. Tubeless or tube-type.

KELLYS CUT BREAKDOWNS. Reports Joseph F. Klawitter, owner of Klawitter Trucking Co., Cincinnati, Ohio: "Truck equipment and drivers cost money, but a road breakdown costs you your profit. We have reduced our breakdowns by better than 65% since we began using Kelly C.H.T. and Kelly Dual Trac Nylon Tires. Our service to customers is better, our profits are better."

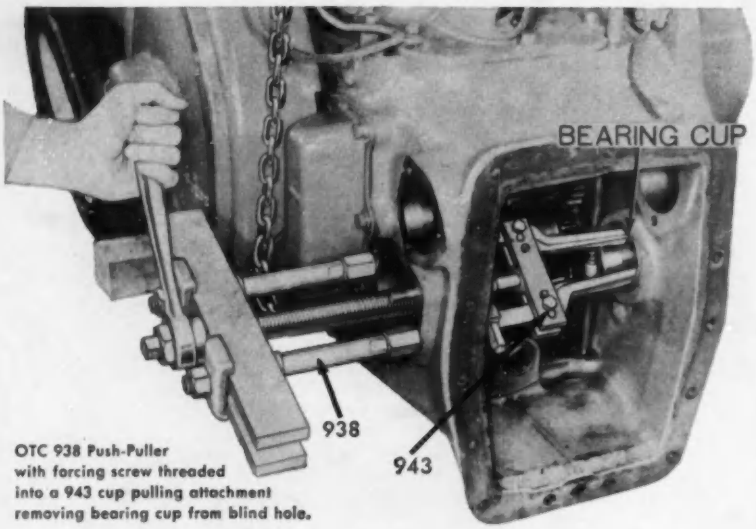
See for yourself what a difference these rugged tires make. Get *your* trucks on the Kelly Road!

PROVED AND IMPROVED FOR 66 YEARS!

KELLY *Springfield* **TIRES**

The Kelly-Springfield Tire Co., Cumberland, Md. • The Kelly-Springfield Tire Co. of Canada, Ltd., Toronto, Ont.

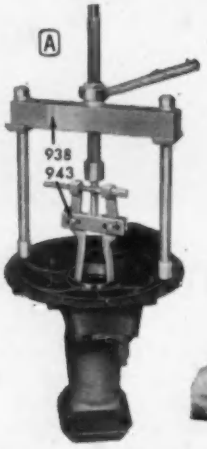
● More details? Circle 216 on reply card inside back cover



OTC 938 Push-Puller with forcing screw threaded into a 943 cup pulling attachment removing bearing cup from blind hole.

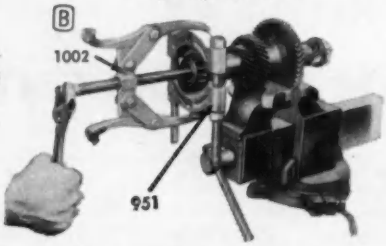
Save time, cut costs in removing and installing cups, bearings, gears, seals, pulleys, etc., with versatile OTC pullers

Save time, up profits by having the right tools in your shop to get the job done quickly, safely, easily — versatile OTC pullers with attachments. Manual or hydraulically operated . . . fit all makes of equipment. Complete hydraulic maintenance sets available in 17½, 30 and 50-ton capacities.



A Pulling rear axle inner bearing cup without damage or distortion to parts with same OTC-Push-Puller unit shown above.

B Removing transmission main shaft front bearing quickly and easily with OTC 1002 Grip-O-Matic puller and 951 bearing pulling attachment.



FREE CATALOG

See your OTC distributor or write for further information.

RESEARCH · ENGINEERING · DEVELOPMENT

OTC

OWATONNA TOOL COMPANY

341 Cedar Street, Owatonna, Minnesota
Cable Address: TOOLCO

Designers and manufacturers of the world's most complete line of Maintenance Tools and Hydraulic Equipment.

PULLERS AND PULLER SETS · HYDRAULIC RAMS AND PUMPS · HYDRAULIC SHOP PRESSES · HAND TOOLS

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

TUBING, LOOM TO TUBE BENDERS

TUBING FLARING TOOLS— *continued*

WEATHERHEAD CO FORT WAYNE DIV

J. H. Williams & Co

TUBING, FLEXIBLE METALLIC *See Hose Air, or Fuel Lines, or Oil Lines*

TUBING, Loom

Asbestos Textile Co
Berg Mfg & Sales Co
Essex Wire Corp
Preferred Electric & Wire Co

STANDARD MOTOR PRODUCTS INC

Velvac Inc

TUBING, WINDSHIELD WIPER *See Hose Vacuum*

TUBE FITTINGS

Aircraft Fitting Co
Alemite Div

BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO

Chase Brass & Copper Co
Chicago Forging & Mfg Co

DORMAN PRODUCTS INC

Edelmann & Co E
Everhot Products Co
Fawick Brake Div

IMPERIAL BRASS MFG CO

Masters Inc Irvin W
Moore & Co Samuel
Republic Steel Corp
Resistoflex Corp
Stratoflex Inc
Titeflex Inc
Velvac Inc
Vibra Seal Corp

WEATHERHEAD CO FORT WAYNE DIV

TUBE BENDERS

Chase Brass & Copper Co
Chicago Tool & Kit Mfg Co
Cornwell Quality Tools Co
Duro Metal Products Co
Edelmann & Co
Excello Accessories Mfrs Inc
Fairmount Tool & Forging Inc

HEIN-WERNER CORP

IMPERIAL BRASS MFG CO

Kennedy Service Tools Co
Leonard Precision Products Co

OWATONNA TOOL CO

Parker-Hannifin Corp

WHITE
ANNOUNCES GREAT NEW

PDQ

PICK-UP DELIVER QUICK

NOW—here's a new multi-stop that can be a real cost-cutter. Designed especially for common carriers and local cartage pickup and delivery, wholesale bakers, commercial laundries and all others who need a top-quality, high-cube, multi-stop truck.

The C Series PDQ features a heavy-duty chassis with body lengths of 10′, 12′ and 15′—and up to 590 cubic feet of usable space . . . with options for most vocations.

You've got to see it to know how this new PDQ can give you a competitive edge in your business through lower operating costs. Call your local White representative for a demonstration or write:

WHITE's PDQ
Gives you a competitive edge because of such features as:

Removable power dolly
Unitized construction
Heavy-duty truck components
Through-cross aisle
Fiberglass body (optional)
See-through fiberglass skylight

PDQ Division • The White Motor Company • Montpelier, Ohio

WORLD LEADER IN HEAVY DUTY TRUCKS ...60 YEARS OF LEADERSHIP

WHITE

● More details? Circle 218 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on page 236

TURBOCHARGERS TO VALVE SPRINGS

TUBE BENDERS—*continued*

Tishken Products Co
Toledo Pipe Threading Machine Co
Velvac Inc
WEATHERHEAD CO FORT WAYNE DIV

TUNE-UP EQUIPMENT *See Analyzers*
TUNE-UP OIL *See Additives*

TURBOCHARGERS

AiResearch Industrial Div
CUMMINS ENGINE CO
I-T-E Circuit Breaker Co
Schwitzer Corp
Thompson Products Replacement Div

TURN SIGNALS *See Directional Signals*

UNDERCOATINGS, Chassis & Body

Acme Quality Paints Inc
Anderson-Pritchard Oil Corp
Arco Co
Battenfield Grease & Oil Corp
Carborundum Co
Daubert Chemical Co
DITZLER COLOR DIV
Ensign Products Co
Flintkote Co
FORD DIV FORD MOTOR CO
Gates Engineering Co
Gibson-Homans Co
Hollingshead Corp R M
Hutson Div
Insul-Mastic Corp of America
Lion Oil Co
MOPAR DIV CHRYSLER CORP
Mortell Co J W
Pennsylvania Refining Co
PENNZOIL-SOUTH PENN OIL CO
Pioneer Products Div
SHERWIN-WILLIAMS CO
Steelcote Mfg Co
Witco Chemical Co

UNDERCOATING SPRAYERS

Alemite Div
Aro Equipment Corp
Balcrank Inc
Beck Equipment & Chemical Co
Black Mfg Co
DE VILBISS CO
Electric Sprayit Co.
GRAY CO
Hudson Mfg Co
KELLOGG DIV
Spee-Flo Co

UNDERCUTTERS, Mica

Allen Electric & Equipment Co
Atlas Press Co
Ideal Industries Inc
International Products & Mfg Co
Martindale Electric Co
Motoraide Corp
Nasa Tool Mfg Corp
Newnan Machine Co
Red Devil Tools
Rite Tool Co Inc
SNAP-ON TOOLS CORP
South Bend Lathe Works
Weidenhoff Corp
Wood Co Frank N

UNIFORM FABRICS *See Fabrics, Uniform*

UNIVERSAL JOINTS

Accurate Products Inc
Alloy Mfg Co
BENDIX PRODUCTS DIV
Blood Brothers Machine Co Div
Borg-Warner Service Parts Co
Boston Gear Works Div
Cleveland Steel Products Corp
DANA CORP
Detroit Bevel Gear Div
Detroit Universal Div
FORD DIV FORD MOTOR CO
Haberle Engr & Mfg Co
Imco Mfg & Sales Co
Lempco Products Inc
Mechanics Universal Joint Div
MOPAR DIV CHRYSLER CORP
Muncie Parts Mfg Co
NAPCO INDUSTRIES INC
Neapco Products Inc
OWATONNA TOOL CO
Precision Universal Joint Corp
Rampe Mfg Co
RAMSEY PRODUCTS CORP
Republic Gear Co
Rockwell-Standard Corp Universal Joint Div
Saco-Lowell Automotive Div
SAGINAW STEERING GEAR DIV
Stephenson Industries Inc
STOW MFG CO
Tradewind Industries Inc
Transit Parts Co
Wheel Parts & Mfg Co
Williams Engineering Corp

UPPER CYLINDER LUBRICATORS *See Lubricators, Upper Cylinder*
UPPER CYLINDER OILS *See Additives, Fuel & Oils*
VACUUM BRAKE HOSE *See Hose, Vacuum Brake*
VACUUM BRAKES *See Brakes Vacuum System & Parts*

VACUUM GAGES (Engine)

Allen Electric & Equipment Co
Arsco Mfg & Sales Corp
Auto-Test Inc
Cornwell Quality Tools Co
Doyle Electro Products Co
Du Mont Laboratories Inc Allen B
ELECTRIC AUTOLITE CO
Hanson Co Harvey E
HASTINGS MFG CO
Kal-Equip Co
Kennedy Service Tools Co
KENT-MOORE ORGANIZATION INC
King Electric Equipment Co
McQUAY-NORRIS MFG CO
Nasa Tool Mfg Corp
National Machine & Tool Co
Niehoff & Co C E
Rinck-McIlwaine Inc
Rochester Mfg Co
Schauer Mfg Corp
SNAP-ON TOOLS CORP
Speedometer Service Co Inc
STANDARD MOTOR PRODUCTS INC
Star Products Co
STEWART-WARNER CORP
SUN ELECTRIC CORP
Syracuse Gauge Co
United States Gauge Div
Velvac Inc
Weidenhoff Corp

VALVES

VALVES, AIR BRAKE *See Brake Emergency Systems & Valves*

VALVES AIR, Two, Three & Four-Way

Adel Precision Products Div
Anderson Brass Co
Anker-Holth Div
Automatic Switch Co
Bellows-Valvair Div
BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO
Betts Machine Co
BRANICK MFG CO INC
Hanna Engineering Works
Hunt Valve Co
IMPERIAL BRASS MFG CO
Keller Tool Div
Logansport Machine Co
Mechanical Air Controls Inc
Myers Tire Supply Co
Nopak Div
Oilgear Co
Power Brake Equipment Co
Ross Operating Valve Co
Ruggles-Klingeman Mfg Co
SCHRADER'S SON DIV A
Skinner Electric Valve Div
Taylor-Winfield Corp
Velvac Inc
WAGNER ELECTRIC CORP
Waterman Hydraulics Corp
WEATHERHEAD CO FORT WAYNE DIV
Westinghouse Air Brake Co. Industrial Prod Div

VALVES, Air Tank Drain

Baker Mfg Co
Champion Pneumatic Machinery Co

DE VILBISS CO
Everhot Products Co
Expello Sales Division
George Mfg Co
Master Equipment Corp
Monroe Standard Inc
National Pneumatic Co
Power Brake Equipment Co
Power Brake Parts Mfg Co
Quincy Compressor Co
Sealco Air Brakes Inc
Thompson Accessories Co
Velvac Inc
WAGNER ELECTRIC CORP
WEATHERHEAD CO FORT WAYNE DIV
Westinghouse Air Brake Co. Industrial Products Div
Wilkerson Corp

VALVES, BREAKAWAY (FOR BRAKES) *See Brake Emergency Systems & Valves*

VALVES, Fuel Tank

Adel Precision Products Div
Anderson Brass Co
Automatic Switch Co
Betts Machine Co
Buckeye Iron & Brass Works
Edelmann & Co E
Hanna Engrg Works
Hoof Products Co
IMPERIAL BRASS MFG CO
Industrial Steel Tank & Body Works Inc
Manning Maxwell & Moore Inc
New Products Corp
Skinner Electric Valve Div
Smith Corp A O
WEATHERHEAD CO FORT WAYNE DIV

VALVES, Hydraulic

Bendix Lakeshore Div
BLACKHAWK AUTOMOTIVE DIV
Denison Engineering Div
Eaton Mfg Co Saginaw Div
FORD DIV FORD MOTOR CO
Garrison Mfg Co
Hanna Engineering Works
HEIN-WERNER CORP
MONARCH ROAD MACHINERY CO
OWATONNA TOOL CO
Sundstrand Hydraulics Div
Vickers Inc

VALVES, Intake & Exhaust

ALLIED AUTOMOTIVE PARTS CO
ALUMINUM INDUSTRIES INC
EATON MFG CO VALVE DIV
FORD DIV FORD MOTOR CO
Hoof Products Co
Jambor Tool & Stamping Co
Jones Co L E
McQUAY-NORRIS MFG CO
National Lock Co
Parts Mfg Co
Parts Processing Corp
RICH MFG CO
Saco-Lowell Automotive Div
SCHRADER'S SON DIV A
SEALED POWER CORP
Thompson Products Replacement Div
Toledo Steel Products Div
Wheel Parts & Mfg Co
White Machine Works
Wolverine Gear & Parts Co

VALVES, Safety or Emergency (For Safeguarding Tanks)

BETTS MACHINE CO
Consolidated Ashcroft Hancock Div
Manning Maxwell & Moore Inc
Norgren Co C A
Philadelphia Valve Co
Power Brake Equipment Co
Robinson Engineering & Sales Co

VALVES, TIRE *See Tire Valves & Caps*

VALVE CAPS, TIRE *See Tire Valves & Caps*

VALVE GRINDING COMPOUNDS

Carborundum Co
Clover Mfg Co
Durkee-Atwood Co
Gold Eagle Products Co
Hollingshead Corp R M
Pep Mfg Co
Perfex Mfg Co
PERMATEX CO
Zip Abrasive Co

VALVE GUIDES

Accurate Products Inc
ALBERTSON & CO INC
ALLIED AUTOMOTIVE PARTS CO
ALUMINUM INDUSTRIES INC
Beckett Bronze Co
Burd Piston Ring Co
Elgin Machine Works Inc
FORD DIV FORD MOTOR CO
HERBRAND DIV
Hub City Iron Co
International Parts Corp
Jambor Tool & Stamping Co
K-D MFG CO
Leee Co K O
McQUAY-NORRIS MFG CO
RICH MFG CORP
SEALED POWER CORP
Standard Automotive Parts Co
Thompson Products Replacement Div
Thor Power Tool Co
Toledo Steel Products Div
Wheel Parts & Mfg Co
White Machine Works
Wolverine Gear & Parts Co
Zoerman-Clark Mfg Co

VALVE GUIDE TOOLS *See Tools, Valve Guide*

VALVE REFACERS

ALBERTSON & CO
BLACK & DECKER MFG CO
CEDAR RAPIDS ENGINEERING CO
HALL-TOLEDO INC
Lee Co K O
Republic Hardfacing Corp
Skil Corp
SNAP-ON TOOLS CORP
Thor Power Tool Corp
Tobin-Arp Mfg Co
VAN NORMAN MACHINE CO
Wilson Inc K R

VALVE ROTATORS

ALLIED AUTOMOTIVE PARTS CO
ALUMINUM INDUSTRIES INC
McQUAY-NORRIS MFG CO
Raymond Mfg Div
SEALED POWER CORP
Thompson Products Replacement Div
Toledo Steel Products Div

VALVE SEATS

ALLIED AUTOMOTIVE PARTS CO
FORD DIV FORD MOTOR CO
Lee Co K O Automotive Equipment Div
McQUAY-NORRIS MFG CO
Thompson Products Replacement Div
Toledo Steel Products Div
White Machine Works

VALVE SEAT GRINDER

ALBERTSON & CO
Beard Tool Co
BLACK & DECKER MFG CO
CEDAR RAPIDS ENGINEERING CO
Duro Metal Products Co
HALL-TOLEDO INC
K-D MFG CO
KENT-MOORE ORGANIZATION INC
Keystone Reamer & Tool Co
Lee Co K O
New Britain Machine Co
OWATONNA TOOL CO
Practical Mfg Co
Skil Corp
SNAP-ON TOOLS CORP
Thor Power Tool Co
United States Electrical Tool Co
Wilson Inc

VALVE SEAT INSERTS

ALLIED AUTOMOTIVE PARTS CO
ALUMINUM INDUSTRIES INC
Burd Piston Ring Co
Eaton Mfg Co Saginaw Div
Jambor Tool & Stamping Co
Lee Co K O
McQUAY-NORRIS MFG CO
Parts Processing Corp
Perfect Parts Inc
RICH MFG CORP
SCHRADER'S SON DIV A
Thompson Products Replacement Div
Toledo Steel Products Div
Versnick Mfg Co
Wausau Motor Parts Co

VALVE SEAT INSTALLING TOOLS *See Tools, Valve Seat Installing*

VALVE SPRINGS

Accurate Products Inc
ALLIED AUTOMOTIVE PARTS CO

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

VALVE SPRING INSERTS TO WATER PUMPS

VALVE SPRINGS—cont'd

FORD DIV FORD MOTOR CO
Jambor Tool & Stamping Co
McQUAY-NORRIS MFG CO
Raymond Mfg Div
SEALED POWER CORP
Silver Seal Products Co
Thompson Products Replacement Div
Toledo Steel Products Div
White Machine Works

VALVE SPRING INSERTS

Accurate Products Inc
FORD DIV FORD MOTOR CO
McQUAY-NORRIS MFG CO
RICH MFG CO
Silver Seal Products Co
Thompson Products Replacement Div
Toledo Steel Products Div

VALVE SPRING TESTERS *See Testers, Valve & Clutch Spring*

VALVE STEM KEYS

Accurate Products Inc
ALLIED AUTOMOTIVE PARTS CO
ALUMINUM INDUSTRIES INC
DORMAN PRODUCTS INC
Ertel Products Corp
Jambor Tool & Stamping Co
McQUAY-NORRIS MFG CO
Preferred Electric & Wire Co
Raymond Mfg Div
RICH MFG CORP
SEALED POWER CORP
Stoutco Inc
Thompson Products Replacement Div
Toledo Steel Products Div

VALVE TAPPETS

Accurate Products Inc
ALLIED AUTOMOTIVE PARTS CO
Allied Precision Products
Eaton Mfg Co Saginaw Div
Elgin Machine Works Inc
FORD DIV FORD MOTOR CO
Jambor Tool & Stamping Co
McQUAY-NORRIS MFG CO
Parts Mfg Co
SEALED POWER CORP
Thompson Products Replacement Div
Toledo Steel Products Div
Wheel Parts & Mfg Co
WOHLERT CORP
Wolverine Gear & Parts Co

VARNISH REMOVERS *See Paint Removers*

VEHICLE SIGN *See Signs, Vehicle*

VENTILATING FANS *See Fans, Exhaust*

VENTILATORS, Bus & Truck

Columbus Metal Products Inc
DELTA STAR ELECTRIC DIV
EVANS PRODUCTS CO
HUPPOWER DIV
KYSOR HEATER CO
Polar Hardware Mfg Co

VENTILATORS, CRANKCASE *See Crankcase Ventilators*

VENTILATORS, Exhaust Gas

Car-Mon Products Co
COOPER TIRE AND RUBBER CO
DE VILBISS CO
Durkee-Atwood Co
Engwald Corp
Flint Corp
KENT-MOORE ORGANIZATION INC
Moffatt Prods Inc
National System of Garage Ventilation Inc
OEM Products Co Inc

VENTILATORS, Roof

Columbus Metal Products Co
EVANS PRODUCTS CO
Polar Hardware Mfg Co

VISES, PISTON *See Piston Vises*

VISES, PISTON PIN *See Piston Pin, Vises*

VOLTAGE REGULATORS *See Regulators*

VULCANIZERS, TIRE *See Tire Vulcanizers*

WARNING DEVICES, CARBON MONOXIDE *See Alarms, Carbon Monoxide*

WARNING LIGHTS OR BUZZERS *See Signals*

WASHERS (Fountain Brushes & Mops)

Brulin & Co Inc
Flour City Brush Co
Fuller Brush Co Industrial Div
Hopkins Mfg Corp
K C Fountain Brush Mfg Co
Kleen-Mor Mfg Co
Laitner Brush Co
Milwaukee Brush Mfg Co
MILWAUKEE DUSTLESS BRUSH CO
Moffatt Products Inc
Pacific Coast Brush Co
Ransom Brush Co
Wilson Inc K R

WASHERS, METAL PARTS *See Cleaning Tanks*

WASHERS, Vehicle

Acme Equipment Inc
Aeroil Products Co
Allied Structural & Plate Corp
Balcrank Inc
Bean Div John
California Car Wash Systems Inc
Champion Pneumatic Machinery Co
Choldun Mfg Corp
CURTIS MFG CO PNEUMATIC DIV
Detrex Chemical Industries Inc
Flour City Brush Co
GRAY CO
Homestead Valve Mfg Co
Hopkins Mfg Corp
Hydro-Air Cleaning Systems Inc
Jetomatic Inc
Kelite Corp
LINCOLN ENGINEERING CO DIV
MALSBARY MFG CO
Minit-Man Inc
Moffatt Products Inc
OAKITE PRODUCTS INC
Pressure Wash Mfg Inc
ROSS & WHITE CO
Sellers Injector Corp
Sprayaway Corp of America
Strahman Valves Inc
Three Star Sales Corp
Turco Products Inc
Wayne Pump Co
WEAVER MFG DIV
WOHLERT CORP
Zierden Co The

WASHERS, WINDSHIELD *See Windshield Washers*

WASHING COMPOUNDS *See Cleaning Compounds*

WATER INJECTORS, GASOLINE ENGINE *See Injectors, Water*

WATER PUMPS

Airtex Automotive Div
ALLIED AUTOMOTIVE PARTS CO
ALUMINUM INDUSTRIES INC
Bergstrom Mfg Co
Borg-Warner Service Parts Co
FORD DIV FORD MOTOR CO
General Products Corp
Gilpak Automotive Products Div
Grover Products Co
Jaeger Machine Co
Jambor Tool & Stamping Co
McQUAY-NORRIS MFG CO
Master Parts Div
MOLPAR DIV CHRYSLER CORP
Preferred Electric & Wire Co
Rotary Seal Div Muskegon Piston Ring Co
Schwitzer Corp
SEALED POWER CORP
Thompson Products Replacement Div
Toledo Steel Products Div
Warner Machine Products Inc
Wheel Parts & Mfg Co
WOHLERT CORP
Wolverine Gear & Parts Co

Barrett Says:

CUT BRAKE MAINTENANCE COSTS...

B-900UPT "Big B"

It's Big... It's Rugged

with your own Barrett Heavy Duty Brake Service Equipment

Super Duty DRUM-Dokter Machines... Grinds Truck, Bus and Passenger Car drums quickly and profitably

Fast and Easy to Operate
ONLY 4 CONTROLS for operation of a carriage

- Handles drums from 7" to over 40" diameter Carriage travel over 16"
- Massive spindle, supported by preloaded adjustable ball bearings—no sleeve bearings used
- Easy access to instant change of spindle speeds
- Intermittent feed eliminates drum threading
- Dual Carriages machine and grind or heavy and finish cut at same time
- Rapid traverse feed—quick engaging clutch

WRITE FOR DETAILS

LONGER BRAKE LIFE WITH PRECISION FIT SHOES

B-120C BRAKE DOKTER

A spindle mounted lining surfacer. Precision fits brake lining to brake drum on the vehicle.

B-350B BRAKE SHOE GRINDER

Bench type heavy duty grinder. Precision fits brake lining to brake drums off the vehicle.

W-11

BARRETT EQUIPMENT CO. 2101 CASS AVE., ST. LOUIS 6, MO.

Branch Operations: Miami, Fla. — Los Angeles, Calif. — Cleveland, Ohio
Export: Springfield, Ill. — Canada: Toronto — Montreal — Edmonton

For addresses of manufacturers, see Manufacturers Directory starting on page 236

WATER TEMPERATURE GAGES TO WHEEL BALANCERS

WATER TEMPERATURE GAGES

AC SPARK PLUG ELECTRONICS DIV
Accurate Products Inc
ELECTRIC AUTOLITE CO
FORD DIV FORD MOTOR CO
K-D MFG CO
KING-SEELEY DIV
Partlow Corp
Rochester Mfg Co
STEWART-WARNER CORP
United States Gauge Div
WOHLERT CORP

WAX *See Polish & Wax*

WEATHER STRIPS

Accurate Products Inc
American Felt Co
Auto Vehicle Parts Co
Buckeye Rubber Products Inc
Champ-Items
Continental Rubber Works
Crotty Corp
Detroit Gasket & Mfg Co
Durkee-Atwood Co
Dutch Brand Div
FORD DIV FORD MOTOR CO
GENERAL TIRE & RUBBER CO
Globe Rubber Products Corp
Goodrich Industrial Products Co B F
Inland Mfg Div General Motors Corp
Johnson Rubber Co
Loock & Co R J
Ohio Rubber Co
Schwartz Rubber Corp
UNITED STATES RUBBER CO
Western Felt Works

WEIGHTS, WHEEL BALANCING *See Wheel Balancing Weights*

WELDERS & EQUIPMENT, Electric

Air Reduction Sales Co
Allis-Chalmers Mfg Co
Birdsell Mfg Co
Bren Weld Corp
Caterpillar Tractor Co
Chicago Tool & Engrg Co
Forney Industries Inc
Fox Products Co
General Scientific Equipment Co
HARNISCHFEGER CORP
Hughes Aircraft Co Vacuum Tube Products Div
Lincoln Electric Co
Linde Co
Mallory & Co P R
Marquette Mfg Co
Mercury Electric Corp
Mid-States Welder Mfg Co
Miller Electric Mfg Co
National Cylinder Gas Div
Precision Welder Mfg Co
Rexarc Inc
Royal Arc Industries Inc
Smith Corp A O
Steinwachs Safety Supply
Tweco Products Inc
Twentieth Century Mfg Co
US Electric Welder Corp
Vickers Inc Electric Products Div
Welduction Corp
Wells Inc Martin
Weltronic Co
Westinghouse Electric Corp.

WELDERS & EQUIPMENT, Oxy-Acetylene

Air Reduction Sales Co
Burdett Oxygen Co of Cleveland Inc
GENERAL DYNAMICS CORP LIQUID CARBONIC DIV
Harris Colorific Co
Linde Co
Marquette Mfg Co
Modern Engineering Co
National Cylinder Gas Div
National Welding Equipment Co
Rexarc Inc
Smith Welding Equipment Corp
Taylor-Winfield Corp

WELDING CABLES

Air Reduction Sales Co
AMERICAN STEEL & WIRE CO
BELDEN MFG CO
Burdett Oxygen Co of Cleveland Inc
Crescent Co
Forney Industries Inc
General Cable Co
Lincoln Electric Co
Linde Co
Marquette Mfg Co
National Cylinder Gas Div
Roebling's Sons Div
THERMOID DIV
Titchener & Co E H
Tweco Products Inc
United Metal Craft Co

WELDING COMPOUNDS

American Solder & Flux Co
Chase Brass & Copper Co
Dolphin Paint & Varnish Co
Eagle Electric Mfg Co
Ensign Products Co
Forney Industries Inc
Kelite Corp
Linde Co
Marquette Mfg Co
MOPAR DIV CHRYSLER CORP
Reynolds Metals Co
Wayne Chemical Products Co
Wolfe-Kote Co

WELDING HOSE *See Hose, Welding*

WELDING RODS

Acme Electric Welder Co
Air Reduction Sales Co
Allis-Chalmers Mfg Co
Alloy Rods Co
All-State Welding Alloys Co
ALUMINUM CO OF AMERICA
American Brass Co
AMERICAN STEEL & WIRE DIV
Ampco Metal Inc
Atlantic Steel Co
Bridgeport Brass Co
Burdett Oxygen Co of Cleveland Inc
Colonial Alloys Co
Eutectic Welding Alloys Corp
Forney Industries Inc
Fox Products Co
HARNISCHFEGER CORP
International Nickel Co
Kaiser Aluminum & Chemical Corp
Lincoln Electric Co
Linde Co
Mallory & Co P R
Marquette Mfg Co
Metal & Thermit Corp
Miller Electric Mfg Co
Mueller Brass Co
National Cylinder Gas Div
Page Steel & Wire Div
REVERE COPPER AND BRASS INC
Rexarc Inc
Smith Corp A O
Speer Carbon Co
Stackpole Carbon Co
Wall Colmonoy Corp
Welding Equipment & Supply Co
Westinghouse Electric Corp.

WHEELS

WHEELS, Vehicle

ALUMINUM CO OF AMERICA
BUDD CO WHEEL DIV
CLARK EQUIPMENT CO
DAYTON STEEL FOUNDRY CO
Differential Dual Wheel Div
Eastern Malleable Iron Co
ERIE MALLEABLE IRON CO
FIRESTONE STEEL PRODUCTS CO DIV
French & Hecht Div
Geneva Metal Wheel Co
GOODYEAR TIRE & RUBBER CO
GUNITE FOUNDRIES CORP
HOMAN & CO
HUTCHENS & SON METAL PRODUCTS INC
KELSEY-HAYES CO
MOTOR WHEEL CORP
Permold Co

WHEELS, FIFTH *See Fifth Wheels*

WHEEL ALIGNERS *See Alignment Equipment (Front End)*

WHEEL BALANCING MACHINES

Alemite Div
Beacon Corp
Bean Div John
BEAR MFG CO
Bee-Line Co
Bender Equipment Co J H
Bennett-Feragen Inc
BIG FOUR INDUSTRIES INC
Coats Co
Hemmeter Corp
HOLMES CO ERNEST
Hunter Engineering Co.

● More details? Circle 220 on reply card inside back cover——→

"We get more out of our Macks because more's built into them"

"We get more out of our Macks

If you're an experienced Mack truck user, you need no further testimony to convince you that, year in and year out, no other truck can approach Macks in superlative performance, dependability, operating economy and long, trouble-free life. If, however, you have yet to learn of the many matchless advantages of operating Macks, read what Mack operators have to say about their vehicles.

High praise, to be sure. And for good reasons. Wherever conventional trucks and tractors are used, Mack B Models set the hauling standards.

Measuring as short as 89″ BBC, they easily handle 35-foot high-cube, square-nosed trailers within 45 feet over-all . . . 40-foot trailers within 50 feet over-all.

Accessibility is excellent. Exclusive Mack Unitized construction minimizes maintenance and it

because more's built into them"

B MODEL OPERATORS

"Macks meet our rigorous schedules . . . searching cost analysis"
—F. J. EGNER & SON, INC.

"Nothing tops our Macks in earning power"
—AKERS MOTOR LINES, INC.

"As good a truck as there is on the road"
—TRIPP BROTHERS & EGELAND

"We entrust our important jobs to Macks"
—HEMINGWAY BROS. INTERSTATE TRUCKING COMPANY

preserves good appearance because cab, fenders, running boards, hood and radiator shell are joined as a single unit and supported at four points in diamond formation through rubber cushions. Thus, cab is unaffected by road shocks.

There's a Mack B Model made expressly for your type of hauling job. Mack offers four- or six-wheel models . . . Mack-built Thermodyne power —gasoline or diesel—headed by the famed Thermodyne diesels, 170 or 205 hp, or stock diesels up to 250 hp . . . Mack-made transmissions of 5 to 20 speeds . . . and your choice of cabs, including conventional and contoured.

See your Mack branch or distributor for full details. Ask him for the names of operators near you who, like those above, continue to buy Macks.

They meant what they said—these eight operators have since bought more Macks.

"We get more out of our Macks

H MODEL OPERATORS

"For fuel economy, for shop savings, for mileage life and for dependable road performance, our H Model Macks are in a class by themselves"
—HARRIS EXPRESS, INC.

"We recommend Mack H Models to anyone demanding lowest cost and top profit"
—GLOBAL VAN LINES

"One of the most reliable trucks made"
—RYDER TANK LINES, INC.

"Performance with unparalleled economy"
—JONES MOTOR COMPANY

"Top-drawer performance and rock-bottom running costs"
—HENNIS FREIGHT LINES, INC.

"Mack H Model dependability pays off in higher earnings"
—NOVICK TRANSFER CO., INC.

"Loaded up to 60,000 lbs. GCW, with never a road breakdown"
—CROSS TRANSPORTATION, INC.

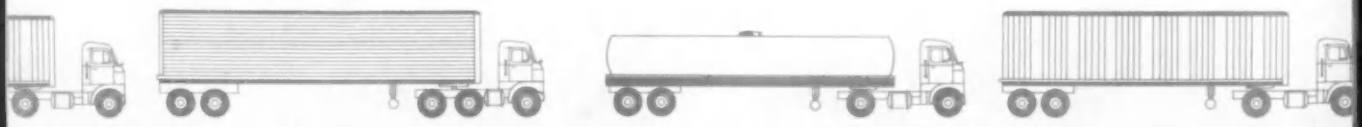
"Better than 330,000 miles each on 245 vehicles, with total maintenance of .0146 cents per mile"
—SMITH'S TRANSFER CORP.

Backbone of many an over-the-road fleet is the Mack H Model cab-over-engine tractor. Powered by the world-famous Mack-built Thermodyne diesel engines—it offers operators maximum performance, capacity and economy.

Accessibility for inspection and maintenance is remarkably simple with a manually-actuated hydraulic lifting device. Routine maintenance without tilting is through convenient openings.

Mack H Models haul up to 65,000 lbs. GCW with maximum length trailers in bridge formula areas. Only 66⅜" BBC and 80⅜" BBC with optional built-in sleeper. Tailored to take Mack engines up to the 205 hp Turbocharged Thermodyne and Mack transmissions of 5 to 15 speeds, the H Model is offered in both 4- and 6-wheel models.

They meant what they said—these eight operators have since bought more Macks.



because more's built into them"

G MODEL OPERATORS

"Our G Model Macks have set an exceptional hauling record in our type of operation . . . two Mack G Models do the work of three conventional models"
—HEAVY TRANSPORT, INC.

"The G Model Mack is the best truck on the road"
—ALBERT L. YOUNG TRUCKING CO.

"For our long, fast runs that include quick city delivery, G Models are doing an outstanding job"
—UNITED SHIPPING COMPANY

"Our G Model Macks are the best trucks we have ever operated—for performance, economy and dependability"
—RICE TRUCK LINES

"Hauling 60' dromedaries in all weather and grades, we particularly like G Model's transmission and rear axle"
—UNITED TRUCK LINES

These are quotes from several of the earliest purchasers of the G Model Mack. As the reputation of this newest Mack grows, more and more operators join in singing the praises of the G Model.

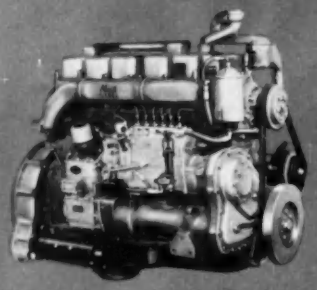
From coast to coast, the G Model Mack can be found pitting its diesel power against full-volume rigs: on the East's major highways . . . on the long stretches of Midwest highways with top gross loads aboard . . . as well as in the mountains of the West where its short 51″ BBC dimension, light weight and top power make it the perfect vehicle for hauling heavy GCW's.

Everywhere, truck operators are swinging to the G Model. They particularly like its all-aluminum cab . . . the inherent power, economy and long life of famed Mack Thermodyne diesel engines . . . optional stock diesels to 250 hp.

"We get more out of our Macks because more's built into them"

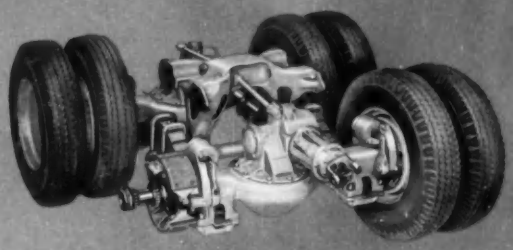
Fleet owners are right! More *is* built into a Mack. Every Mack truck is built according to Balanced Design—the exclusive Mack practice of manufacturing in its own plants all vital truck components to work together for highest fuel economy, greatest freedom from profit-cutting downtime, and longest useful mileage life.

You get more out of a Mack because of components like these...

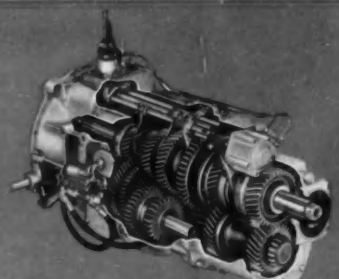


MACK-BUILT ENGINES—Longest-lived engines on the road today, famed Thermodyne® diesel and gasoline powerplants are Mack built . . . operate unfailingly upwards of 400,000 miles without breakdowns or overhauls. Seven different Mack engines provide just the right power for your hauling job. Heading the list is the famed Mack Thermodyne diesel engine—the reason Mack is No. 1 by far in sales of diesel-powered trucks and has been for seven straight years . . . why there are twice as many diesel-powered Macks on the road today as the next nearest make.

MACK-BUILT REAR AXLES—Maximum performance is obtained by a wide range of ratios offered in Mack rear axles such as the single-reduction hypoid type shown, incorporating such time-tested features as locked-in carrier construction. For maximum traction under adverse conditions, Mack offers the single-axle Power Divider cam-and-plunger differential which automatically distributes the power to the wheel with traction. All Mack axle shafts are graduated heat treated for maximum strength. Exclusive involute splines provide four times the shock resistance over conventional types.



MACK-BUILT BALANCED BOGIE—Exclusive Mack Balanced Bogie has become synonymous with four-wheel-rear-axle drive. Self-steering characteristic permits tires to roll freely in turning, thus ending scuffing and tire wear. There's no need to match tires. Mack's patented Power Divider inter-axle differential gives no-slip traction in slippery going by directing power to the wheels with traction . . . assures top legal speeds under all road conditions, thus on-time delivery.



MACK-BUILT TRANSMISSIONS—No loss of momentum while shifting. Mack transmissions from 5 to 20 speeds are even-split—you get the right ratio for the grade and load. Service records prove that Mack transmissions stand up to heavy-duty hauling far longer and need less attention than any others . . . thanks to the use of the finest gear metals . . . to painstaking manufacture . . . and to exclusive Tetrapoid gear design that gives maximum strength, longer life and quieter action.

MACK for over 7 straight years NO.1 by far in sales of diesel trucks

MACK FIRST NAME FOR **TRUCKS**

Mack Trucks, Inc., Plainfield, New Jersey. Mack Trucks of Canada, Ltd., Toronto, Ontario

Printed in U. S. A.

7748

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

WHEEL WEIGHTS TO WINDSHIELD WASHERS

WHEEL BALANCING MACHINES—*continued*

Lempco Products Inc
Manbee Equipment Div
Micro-Poise Engrg & Sales Co
Monarch Mfg Co
Morgan Wheel & Equipment Co
Myers Tire Supply Co
SNAP-ON TOOLS CORP
Speedmaster Ltd
Three Star Sales Corp
WEAVER MFG DIV

WHEEL BALANCING WEIGHTS

Amplex Engrg Co
Bean Div John
BEAR MFG CO
Bender Equipment Co J H
Bennett-Feragen
BIG FOUR INDUSTRIES INC
Hunter Engrg Co
Hunter Products Co
Lempco Products Inc
Lucas Mfg Corp
Manbee Equipment Div
Perfect Equipment Corp
Plumbium Mfg Corp Speed-Clip Mfg Div
SNAP-ON TOOLS CORP
Snugl Wheel Weight Mfg Co Div
Three Star Sales Corp
Turner Mfg Co
WEAVER MFG DIV
Wheel Weights Inc

WHEEL CHOCKS

Aldon Co
Calumet Steel Castings Corp
General Scientific Equipment Co
HOLMES CO ERNEST
Magline Inc
Steinwachs Safety Supply

WHEEL CYLINDERS *See Brakes, Hydraulic Systems*

WHEEL DOLLIES

ALEXANDER-TAGG INDUSTRIES INC
AUTO SPECIALTIES MFG CO
Bennett-Feragen
BLACKHAWK AUTOMOTIVE DIV
Cam Tool Co
Douglas Motors Corp
Geneva Metal Wheel Co
GLOBE HOIST CO
KEN-TOOL MFG CO
Immel Co
Magline Inc
Rush Mfg Co E S
Tallyho Mfg Co
United Parts Inc
Walker Mfg Co
WEAVER MFG DIV

WHEEL HUBS

BUDD CO
DAYTON STEEL FOUNDRY CO THE
Dualmatic Products Co
Fawick Brake Div
FORD DIV FORD MOTOR CO
HUTCHENS & SON METAL PRODUCTS INC
Kay-Brunner Steel Products Inc
KELSEY-HAYES CO
MOTOR WHEEL CORP
Shuler Axle Co
Warn Mfg Co
Watson Co H S

WHEEL PULLERS *See Pullers, Bearing Gear & Wheel*

WHEEL RIMS

BUDD CO THE
Cleveland Welding Div
FIRESTONE STEEL PRODUCTS CO
FORD DIV FORD MOTOR CO
GOODYEAR TIRE & RUBBER CO
KELSEY-HAYES CO
MOTOR WHEEL CORP

WHEEL SPACERS

Bolling Wheel & Axle Div
DAYTON STEEL FOUNDRY CO THE
Dico Co
Draw-Tite Co
Electric Wheel Co Div
GOODYEAR TIRE & RUBBER CO
HUTCHENS & SON METAL PRODUCTS INC
KELSEY-HAYES CO
Lambert Inc
OSHKOSH MOTOR TRUCK INC
Transit Parts Co
Webb Wheel Div

WHEEL STRAIGHTENERS

BEAR MFG CO
BUDD CO WHEEL DIV
Bee-Line Co
R V Jack Corp
Reliable Jack Div
Toledo Pressed Steel Co
Unit Mfg Co
Wagner Mfg Co
Walker Mfg Co
WEAVER MFG DIV
Wilson Inc K R

WHEEL STUDS & NUTS

Accurate Products Inc
BUDD CO WHEEL DIV
DAYTON STEEL FOUNDRY CO
DORMAN PRODUCTS INC
Jambor Tool & Stamping Co
KELSEY-HAYES CO
MOTOR WHEEL CORP
Transit Parts Co

WINCHES, Truck

Adams Engineering Co
Air Cargo Equipment Co
Big Boy Products Div
Braden Winch Co
Cam Tool Co Inc
Collins & Associates Inc
Douglas Motors Inc
Gar Wood Industries Inc
HIGHWAY TRAILER CO
Holan Corp
Koenig Iron Works Inc
Little Giant Products Inc
M-B Corp
Maday Body & Equip Co
Manley Div
Ohio Hoist Mfg Co
Pacific Car & Foundry Co
Ramsey Winch Mfg Co
Sasgen Derrick Co
Silent Hoist & Crane Co
Stimmel Winch Co
Tec Div Heil Co
Tradewind Ind Inc
Tulsa Products Div
Ven Corp

WINDOWS, Truck, Sliding Rear

BARBER'S GLASS & MFG CO

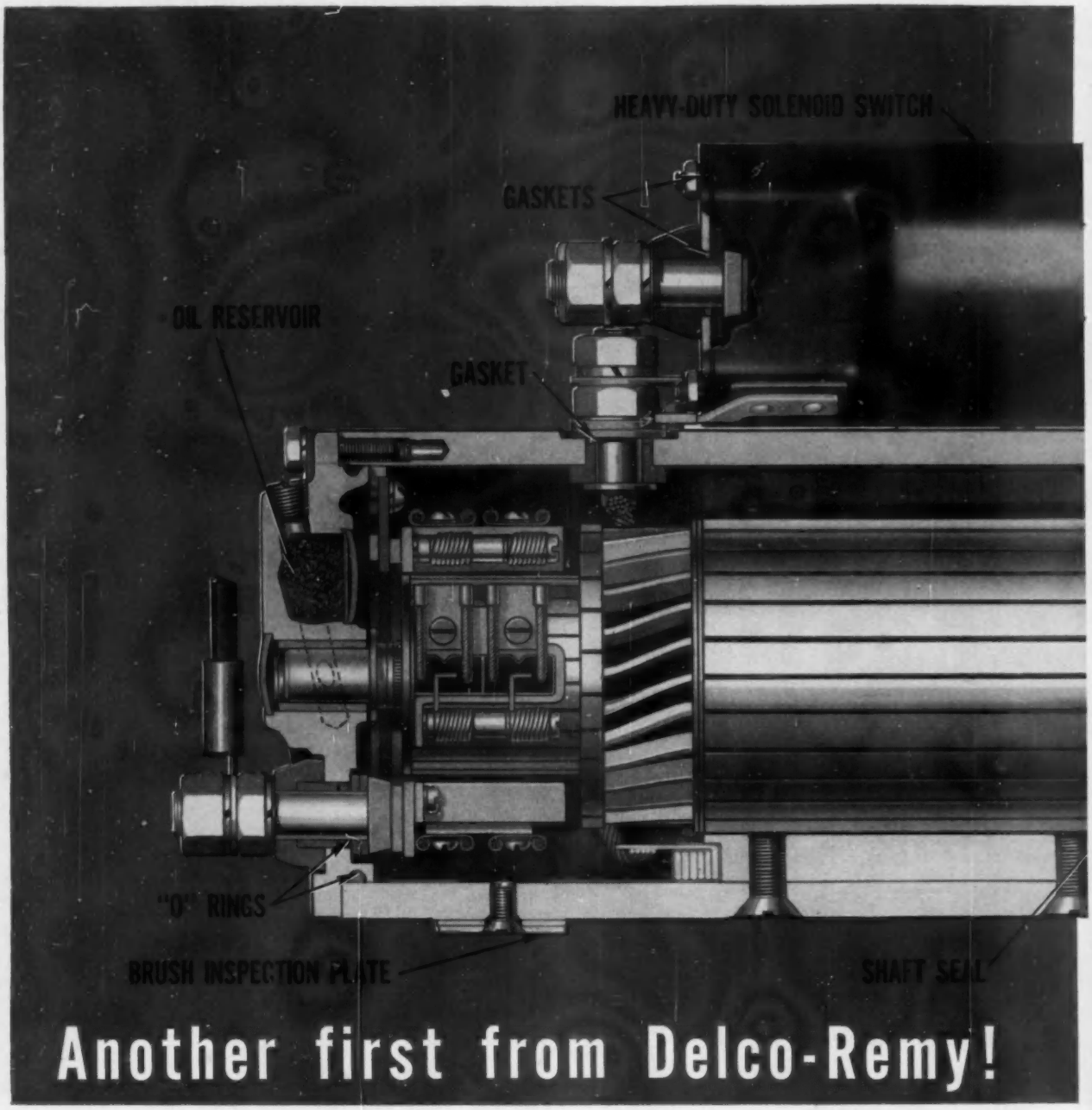
WINDSHIELD FANS *See Fans, Defrosting*

WINDSHIELD SEALING COMPOUNDS

Behr-Manning Div
Dolphin Paint & Varnish Co
DU PONT DE NEMOURS & CO E I FINISHES DIV
Durkee-Atwood Co
Krylon Inc
Magic Iron Cement Co
MINNESOTA MINING & MFG CO
MOPAR DIV CHRYSLER CORP
PERMATEX CO
PITTSBURGH PLATE GLASS CO
Presstite Div
Radiator Specialty Co
Ruscoe Co W J
Woodhill Chemical Sales Corp

WINDSHIELD WASHERS

Anderson Co
ROBERT BOSCH CORP
DELCO APPLIANCE DIV
FORD DIV FORD MOTOR CO
The Las-Stik Mfg Co
Santay Corp
Trico Products Corp
UNION CARBIDE CONSUMER PRODUCTS CO DIV



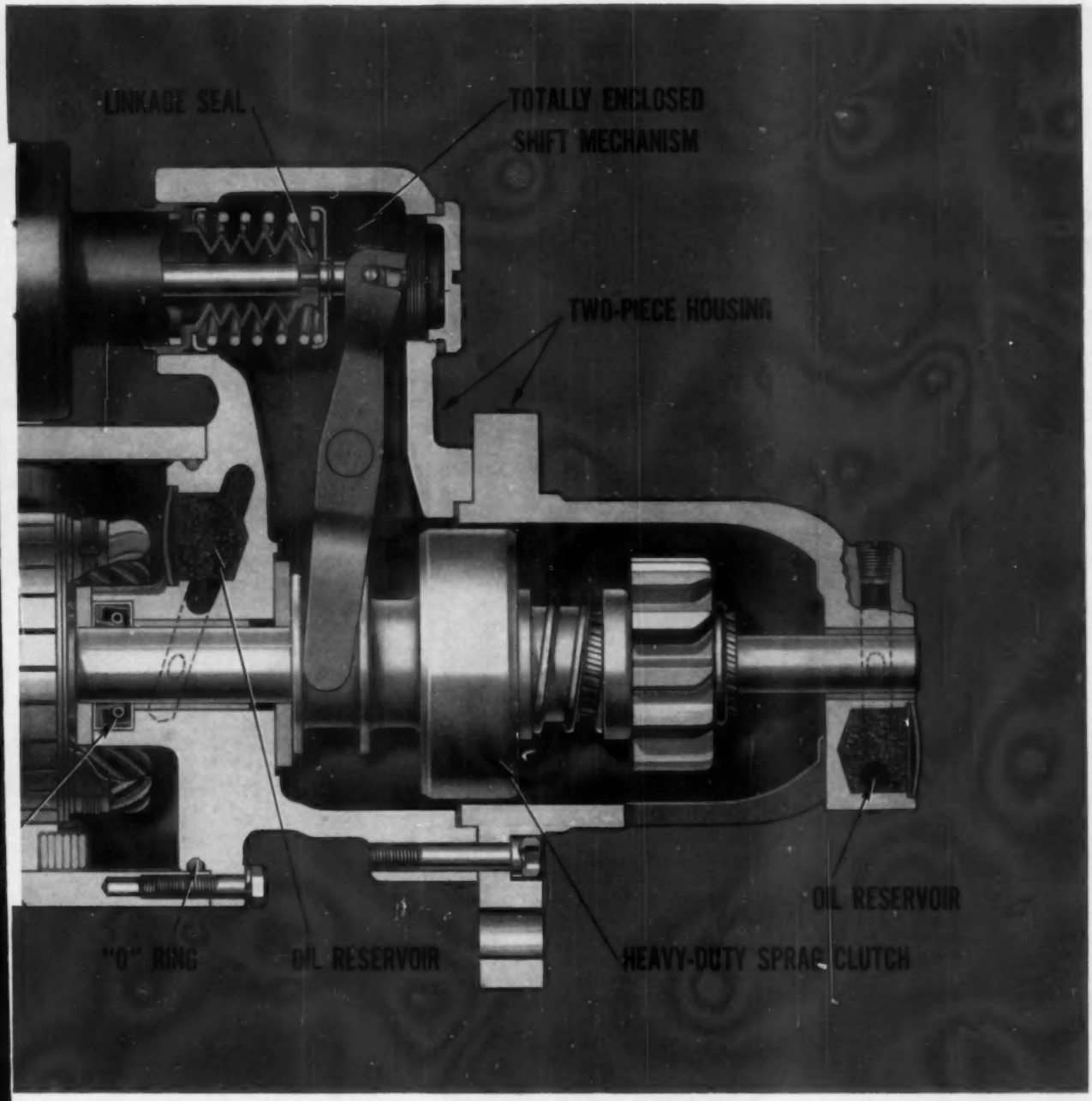
NEW DELCO-REMY HIGH-OUTPUT MOTOR

Completely new series of high-output cranking motors! These 12-volt motors have the torque and speed to do the same job as 24-volt motors of equal size *and on the same battery power*. No need for series-parallel switches and their complicated wiring on engines up to 900 cubic inches. These solenoid-operated, over-running clutch type heavy-duty cranking motors come with special two-piece drive housings that permit 24 different motor mounting positions. Their new 50% longer brushes, together with sealing rings (optional) and large oil reservoirs (optional), assure extra-long operating time between overhauls.

TOTALLY ENCLOSED DRIVE SHIFTING MECHANISM is protected against dirt, water, slush and ice. This enclosure, plus the shaft seal and linkage seal, also blocks transmission oil leakage into the motor and solenoid.

TWO-PIECE DRIVE HOUSING DESIGN permits 24 different solenoid positions which allows greater standardization—cuts fleet inventories. Nose housings are available in S.A.E. #2 and #3 mountings.

HEAVY-DUTY SOLENOID AND SWITCH provide positive pinion engagement and safely handle maximum starting current. Special seals keep out foreign material and allow increased contact life.



ELIMINATES SERIES-PARALLEL SWITCHES

SPRAG CLUTCH DRIVE operates with non-chamfered ring gear. Pinion indexes on spiral spline, positively engaging ring gear before power is switched on. Engagement of the pinion and ring gear is maintained during intermittent or sporadic engine firing.

HEAVY BRUSH INSPECTION PLATES resist damage from use and handling—are sealed to prevent leakage.

Engine manufacturers are invited to write directly to Delco-Remy for complete information and engineering assistance on the specific application of these new motors.

Fleet owners will find this motor available for new trucks through their truck dealers.

FROM THE HIGHWAY TO THE STARS

Delco-Remy electrical systems

GM GENERAL MOTORS

DELCO-REMY • DIVISION OF GENERAL MOTORS • ANDERSON, IND.

● More details? Circle 221 on reply card inside back cover

For addresses of manufacturers, see Manufacturers Directory starting on **page 236**

WINDSHIELD WIPERS TO WRENCHES, PNEUMATIC

WINDSHIELD WIPERS, Air

SPRAGUE DEVICES INC
Trico Products Corp

WINDSHIELD WIPERS, Electric

American Bosch Div
BOSCH CORP ROBERT
Delco Appliance Div
ELECTRIC AUTOLITE CO
Electric Service Works Delta Star Electric Div
FORD DIV FORD MOTOR CO

WINDSHIELD WIPERS, Vacuum

Campion Pneumatic Machinery Co
Consolidated Vacuum Corp
FORD DIV FORD MOTOR CO
Hevi Duty Electric Co
Trico Products Corp

WINDSHIELD WIPER TUBING *See Hose, Vacuum*

WIRE, INSULATED (For Lighting)

(See also Ignition Cable & Battery Cable)

Autac Inc
BELDEN MFG CO
Crescent Co
Eagle Electric Mfg Co
ELECTRIC AUTOLITE CO
PACKARD ELECTRIC DIV
Royal Electric Corp
SIGNAL-STAT CORP
STANDARD MOTOR PRODUCTS INC
Whitaker Cable Corp

WIRE TERMINALS

AC SPARK PLUG ELECTRONICS DIV
AMP Inc
American Electric Cable Co
Ark-Les Switch Corp
Barcy-Nicholson Co
BELDEN MFG CO
Burndy Corp Omaton Div
COLE-HERSEE CO
Douglas Mfg Div
ETC Inc
Eagle Electric Mfg Co
ELECTRIC AUTOLITE CO

...the mark of the newest in hose lines

Whether you're talking about a single type of pressure hose line or the industry's most complete line of hose and reusable couplings, the Imperial Diamond I is the mark of a dependable line.

Hytron hose is a good example. The newest addition to Imperial's greatly expanded line, Hytron opens new horizons for automotive applications.

Engineering laboratory tests as well as field applications have proved that Hytron has over 7 times the flex-impulse resistance of SAE 100 RI single-wire braid rubber hose . . . withstands over 2½ times as much abrasion and comparable pressures. Its polyamide-polyester construction is light in weight.

Aging is no problem; Hytron has unlimited shelf life. It resists mildew, heat, sunlight, flammable and nonflammable hydraulic fluids, petroleum products and road chemicals. It's available with reuseable or crimped-on couplings.

Other items in Imperial's expanded line of hose and couplings are pictured below. They all add up to the kind of dependability and performance you expect from the leader.

In addition to hose and couplings, Imperial tube fittings, push-pull controls, fuel lines and tools can also help put dependability in your fleet. Look for the Diamond I on the products you buy.

Write for Catalog No. NEPR 500 on Hytron, Catalog Nos. 126 and 3040 on other Imperial automotive products.

IMPERIAL
The Imperial Brass Mfg. Co.
6300 W. Howard Street, Dept. CCJ-110
Chicago 48, Illinois

"You want a cheap truck or do you want to stay in business?"

More details? Circle 312 on reply card

FORD DIV FORD MOTOR CO
Hill Nut Co
Ideal Industries Inc
Kem Mfg Co
Loock & Co R J
Machined Parts Corp
Monarch Insulated Wire Co
National Ignition Mfg Co
PACKARD ELECTRIC DIV
Patton-MacGuyer Co
Pollak Corp Joseph
Preferred Electric & Wire Co
Rajah Co
Realflex Products Co
Richards Mfg Co
Shakeproof Div
Sherman Mfg Co H B
SIGNAL-STAT CORP
STANDARD MOTOR PRODUCTS INC
Star Products Co
Stimpson Co Edwin B
Thompson-Bremer & Co
TRIPLE-A-SPECIALTY CO
Vaco Products Co
Victor Instrument Mfg Co
Wade Electric Products Co
Walker Bros
Whitaker Cable Corp
Zierick Mfg Corp

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Collins & Associates Inc
HOLMES CO ERNEST
Maday Body & Equipment Co
Manley Div
WATSON CO H S

"I can't hang around too long—can never tell where the boss is!"

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BLACK & DECKER MFG CO
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INGERSOLL-RAND CO
McQUAY-NORRIS MFG CO
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Remington Arms Co
Skil Corp
SNAP-ON TOOLS CORP
Speed Way Mfg Co
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WRENCHES, Portable Pneumatic
ALBERTSON & CO
Aro Equipment Corp
Buckeye Tools Corp
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Cleco Air Tools Div
Gardner-Denver Co
INGERSOLL-RAND CO
Master Pneumatic Tool Co
McQUAY-NORRIS MFG CO
Rotor Tool Co
SNAP-ON TOOLS CORP
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WRENCHES, TIRE *See Tire Tools*
WRENCHES, TORQUE *See Torque Wrenches*
WRIST PINS *See Piston Pins*

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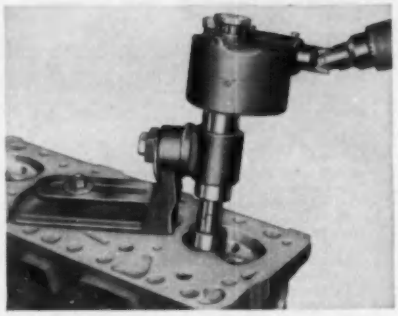

Kwik-Way valve seat insert tool

3 reasons why Kwik-Way makes you more money

1. IT'S FASTER — With Kwik-Way's Valve Seat Insert Tool you can do the average counterboring operation in 2 to 3 minutes after tool is set up. Power driven from any 3/8" or larger electric drill.

2. IT'S MORE ACCURATE — Rigid base casting is located for alignment with Kwik-Way Tapered Arbor centered in valve guide. Rigidity is maintained by base. Tapered arbor shank provides proper bearing surface for two-blade cutter. Opposing blades equalize cutting strain — ensure greatest accuracy.

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Let us demonstrate the Kwik-Way Valve Seat Insert Tool in your own shop on an actual job. There's no obligation. Mail the coupon today.

PRECISION • SPEED • LONG LIFE
get all three with
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ENGINE RECONDITIONING EQUIPMENT

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☐ Please arrange a demonstration, without obligation, of the Kwik-Way Valve Seat Insert Tool.
☐ Send me further information and literature.

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Firm Name _____
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MANUFACTURERS DIRECTORY

FLEET BUYERS' DIRECTORY 1961

This section will save you time. In it are the complete addresses of the manufacturers of the products listed beginning on page 53. They're arranged in alphabetical order by the name of the supplier. When you already know who makes what you want, you can skip the Product Directory and just look up their addresses here. In some cases, you'll also find a list of local distributors or sales branches. Names printed ALL IN CAPITALS have advertised their products in Commercial Car Journal during the past year.

A

ABC Mfg Co 340 N Front St Philadelphia 6 Pa
ACF Body Corp 4400 Clayton Ave St Louis 10 Mo
ACF Industries Div ACF Industries Inc Riverdale Md
AC SPARK PLUG ELECTRONICS DIV OF GENERAL MOTORS CORP 1300 N Dort Highway Flint 2 Mich
AIResearch Industrial Div Garret Corp 9225 S Aviation Blvd Los Angeles 45 Calif
A L C CO 646 Oak St Medina Ohio
ALF Body Corp 4400 Clayton Ave St Louis 10 Mo
A P Parts Corp 1601 Spielbusch Ave Toledo 1 Ohio
ARA Mfg Co P O Box 685 Grand Prairie Texas
Abrasive Co of America 492 Main St Fort Lee N J
Academy Decals 3224 Altamount Ave Cleveland 18 Ohio
Acadia Div Western Felt Works 4115 W Ogden Ave Chicago 23 Ill
Accurate Parts Mfg Co 12435 Euclid Ave Cleveland 6 Ohio
Accurate Products Inc 135 N Spring St Indianapolis Ind
Accurate Re-Nu Clutch Div Mar Pro Inc 168 N Michigan Ave Chicago 1 Ill
Accurate Spring Mfg Co 3811 W Lake St Chicago 24 Ill
Ace Iron Works 510 Pershing Rd Chicago 9 Ill
Ace Products Co 1820 N 12th St Toledo 1 Ohio
Ace Rubber Products Inc 100 Beech St Akron Ohio
Ace Trailer & Equipment Co Div Reliable Automotive Co H & San Joaquin Sts Fresno Cal
Acheson Colloids Co 1925 Washington Ave Port Huron Mich
Acme Air Appliance Co 205 Newman St Hackensack N J
Acme Backing Corp Canal & Ludlow Sts Stamford Conn
Acme Electric Corp Cuba N Y
Acme Electric Welder Co 2618 Fruitland Ave Los Angeles 58 Calif
ACME EQUIPMENT INC Central Trust Bldg Altoona Pa
Acme Hamilton Mfg Corp 115 Meade St Trenton N J
Acme Iron Works (Ingram P O Box 2020 San Antonio Texas
Acme Mfg & Gasket Co 738 N 41st St Philadelphia 4 Pa
Acme Newport Steel Co Ninth & Lowell Sts Newport Ky
Acme Quality Paints Inc 8250 St Aubin Ave Detroit 11 Mich
Acme Rubber Mfg Co 115 Meade St Trenton N J
Acme Spring Products Co 2812 W Fort Street Detroit 16 Mich
Acme Specialty Mfg Co 2298 Smead Ave Toledo 6 Ohio
Acme Steel Co 130 5th St & Perry Ave Chicago 27 Ill
Acoustica Associates Inc Shore Rd Glenwood Landing N Y
Actuator Products Corp 26 Nashua St Woburn Mass
Adams Co R P 264 E Park Drive Buffalo 17 N Y
Adams Grease Gun Corp 88-92 N First St Brooklyn 11 N Y
Adams Engineering Co 31711 Solon Rd Solon Ohio
Adams & Westlake Co 1019 N Michigan St Elkhart Ind
Adel Precision Products Div of General Metals Corp 1444 Washington Ave Huntington 4 W Va
Adhere Inc 1220 Maple Ave Los Angeles 15 Cal
Adjustable Clamp Co 425 N Ashland Ave Chicago 22 Ill
Advance Century Mfg Co P O Box 781 Greenville S C
Advance Felt & Gasket Co 663 W Washington Blvd Chicago Ill
Advanced Mfg Inc 738 W 17th St Costa Mesa Cal
Aero Canvas Products 618 W Merrill St Indianapolis 25 Ind
Aeronautical Electronics Inc P O Box 6527 Raleigh N C
Aeroil Products Co 69 Wesley St South Hackensack N J
Aero Motive Mfg Co 1803 Alcott St Kalamazoo 24 Mich
Aerobilt Bodies Inc Div Grumman Aircraft Co Athens N Y
AEROQUIP CORP 300 South East Ave Jackson Mich
Aero Safety Equipment Co Los Angeles Calif
Aetna Ball & Roller Bearing Co Div of Parkersburg-Aetna Corp 4600 Schubert Ave Chicago 39 Ill
Agner Simplex Co 106 Pine St Burlington Wis
Airbrake Accessories Inc 155 N Ada St Chicago 7 Ill
Air Cargo Equipment Co 1121 E Colorado St Glendale Calif
Aircooled Motors Inc Liverpool Rd Syracuse 8 N Y
Aircraft Fitting Co 1400 E 30th St Cleveland 14 Ohio
Aircraft & Automotive Prods Inc 2501 S West St Wichita Kan
Aircraft Specialties Inc Howard & Higley St Lapeer Mich
Airetool Mfg Co 302 S Center St Springfield Ohio
Air Hydraulic Inc 13106 Broadway Ave Cleveland 23 Ohio
Air Induction Corp 122 W 30th St New York 1 N Y
Air Lift Co 2328 W Main St Lansing Mich
Air Maze Corp 25000 Miles Rd Cleveland 28 Ohio
Air Reduction Sales Co Socony-Mobile Bldg 150 E 42nd St New York 17 N Y
Air-Speed Tool Co 1502 W Slawson Ave Los Angeles 47 Calif
Airtemp Div Chrysler Corp 1610 Webster St Dayton 1 Ohio
Airtex Automotive Div of Airtex Products Inc Fairfield Ill
Ajax Mfg Co of Wis 1201 Michigan Blvd Racine Wis
Akro-Mils Inc 820 E Market St Akron 5 Ohio
Akron Paint & Varnish Co 1390 Firestone Parkway Akron 1 Ohio
Alan Wood Steel Company Conshohocken Penna
ALBERTSON & CO INC 3100 Lowell Ave Sioux City 3 Iowa

→

Aldon Co 3340 Ravenswood Ave Chicago Ill
Alemite Div Stewart Warner Corp 1826 Diversey Pkwy Chicago 14 Ill
ALEXANDER TAGG INDUSTRIES INC Jacksonville Rd & Summit Ave Hatboro Pa
Al-Fin Div Fairchild Engine & Airplane Corp 375 Farmingdale Rd West Babylon L I N Y
Allegheny Body Co 1633 N 6th St Philadelphia 22 Pa
Allegheny Ludlum Steel Corp Oliver Bldg Pittsburgh 22 Pa
Allen Electric & Equipment Co 2101 N Pitcher St Kalamazoo 13F Mich
Allen Industrial Products Inc 300 Pilgrim Rd Menomonee Falls Wis
Allen Mfg Co Drawer 570 Hartford 1 Conn
Allen Mfg Co 566 W Lake St Chicago Ill
Allgaier Earl Arlington Va
ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis 7 Ind
Allied Decals Inc 20707 Miles Ave Cleveland 28 Ohio
Allied Motor Parts Co Detroit 1 Mich
Allied Precision Products 600 E San Christopher Drive Dunedin Fla
Allied Products Div Freightliner Corp P O Box 3591 Portland 8 Oregon
Allied Radio Corp 100 N Western Ave Chicago Ill
Allied Research Products Inc 4004-06 E Monument St Baltimore 5 Md
Allis-Chalmers Mfg Co Milwaukee 1 Wis
Allis-Chalmers Mfg Co Engine Material Handling Div 1135 S 70th St Milwaukee 1 Wis
Allison Div General Motors Corp 4700 W 10th St Indianapolis 6 Ind
Allmetal Screw Products Co 821 Stewart Ave Garden City N Y
All-O-Matic Mfg Corp 2099 Jericho Turnpike New Hyde Park N Y
Alloy Mfg Co 3307 S Shields Ave Chicago 16 Ill

SIOUX TOOLS

Albertson & Co., Inc.
Territory Managers

ALBANY—Fred D. Christie, 16 Clarendon Rd. Call 8-0973

ATLANTA—W. G. Blankinship, 2878 N. Hills Dr. N. E. CEdar 3-2172

CLEVELAND—Fred E. Akerberg, 1466 Rockland Ave., Rocky River 16, Ohio. EDison 1-6774

CHICAGO—A. T. Cornish, Box 186, Plainfield Road, Naperville, Ill. Call ELmwood 5-1929

DALLAS—Robert E. Lindberg, 5852 Glendora Ave. FOrest 8-7961

DENVER—Kenneth E. Lagerberg, 2121 Routt Rd. BElmont 7-5105

DETROIT—A. L. Fisher, 2289 Oakway Dr., Pontiac, Mich. FEderal 5-4641

GREENSBORO—W. D. Johnson, 1905 Rolling Rd. BRoadway 2-7932

HARRISBURG—E. E. Morrison, 111 No. 30th St., Camp Hill, Pa., Box #36. REgent 7-9514

HOUSTON—W. E. Ebrecht, 6319 Overdale. MIssion 9-2390.

INDIANAPOLIS—H. Dan Porterfield, 308 Sunset Blvd., Greenwood, Ind. TUcker 1-9954

KANSAS CITY—E. H. Tott, 8601 W. 68th Terrace, Merriam, Kan. HEdrick 2-3769

LEXINGTON—Marion J. Robbins, 299 Lafayette Dr. Call 7-1481

LOS ANGELES—C. C. Beebe, 652 Gould Lane, Hermosa Beach, Calif. FRontier 9-0977

LOS ANGELES—Neal A. Post, 3845 Casselle Ave., Orange, Calif. TOpaz 2-6446

MEMPHIS—L. E. Bray, 5488 Pecan Grove Lane. MUtual 26362

MILWAUKEE—Fritz R. Knudsen, 2666 No. Humboldt. LOcust 2-9004.

MINNEAPOLIS—H. L. Jensen, 4721 W. 40th St., St. Louis Park. WAlnut 6-3372

NEW YORK—T. F. Ray, 4 Poplar Rd., Ridgefield, Conn. IDlewood 8-8004

OAKLAND—J. M. Cornish, Apt. #202, 400 Perkins St., GLencourt 2-4303

OKLAHOMA CITY—Roy Hatlon, 5631 N.W. 37th Street. WHitney 7-8492

OMAHA—Howard E. Curtis, 301 S. 68th Ave. GLendale 2546

OMAHA—Kenneth C. Hitt, 522 So. Pine, Valley, Nebr. Call 4561

PHILADELPHIA—C. Whitney Holmes, 234 Owen Avenue, Lansdowne, Pa. MAdison 3-7219

SAN FRANCISCO—H. W. Tott, 2579 Humbolt Dr., Bay-o-vista, San Leandro, Calif. ELgin 7-2444

SEATTLE—A. E. Mjoen, 7351 20th N.E. LAkeview 33064

SIOUX FALLS—Hugh T. Davies, 1216 So. Lyndale. Call EDison 86210

SPOKANE—Dale Thompson, W. 912 Wedgewood. FAirfax 5-0493

SPRINGFIELD—Roy O. Poulsen, 2448 S. State St. Call 8-6997

TONAWANDA, N. Y.—R. J. Utecht, 2357 Parker Blvd. EVergreen 0130

See Sioux Tool Advertisement pages 263-264

Alloy Rods Co W Market St York Pa
All-Power Mfg Co 400 Roosevelt Ave Montebello Calif
All-State Welding Alloys Co 249 Ferris Ave White Plains N Y
Allube Corp 928 Allen Ave Glendale 1 Calif
Allyn Mfg Co 1758 W Wellington Ave Chicago 13 Ill
Almont Welding Works Inc Almont Michigan
Almquist Engineering Co Milford Pa
Alondra Inc 959 Crenshaw Blvd Los Angeles 19 Calif
Alox Corp Buffalo Ave & Iroquois St Niagara Falls N Y
Alpha Metals Inc 56 Water St Jersey City N J
Al-Power Mfg Co 400 Roosevelt Ave Montebello Calif
Alsol Products Co 123 Colt St Irvington N J
Aluminum Alloys Corp 6650 Walton St Detroit 10 Mich
Aluminum Body Corp 1600 W Washington Blvd Montebello Calif
ALUMINUM CO OF AMERICA 1501 Alcoa Bldg Pittsburgh 19 Pa
ALUMINUM INDUSTRIES INC 3670 Werk Rd Cincinnati 11 Ohio
Aluminum Ladder Co W Darlington Street Florence S Carolina
Alvey-Ferguson Co 174 Disney St Cincinnati 9 Ohio
AMALIE DIV SONNEBORN CHEMICAL & REFINING CORP Franklin Penna
Amchem Products Inc Brookside Ave & Reading R R Ambler Pa
Ameratron Inc Div of Textron-America 1407 Broadway New York N Y
American Abrasive Metals Co 460 Colt St Irvington 11 N J
American Air Compressor Corp Dell Ave & 48th St North Bergen N J
American Automatic Devices Co Throop St Chicago 7 Ill
American Ball Bearing Co 70 Flushing Ave Brooklyn 1 N Y
American Battery Co 1520 McGavock St Nashville 3 Tenn
American Body & Equipment Co 2000 Guinotte Ave Kansas City 6 Mo
American Body & Trailer Inc P O Box 1150 Oklahoma City 1 Okla
American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass
AMERICAN BRAKEBLOK DIV AMERICAN BRAKE SHOE CO 900 W Maple Rd Birmingham Mich
American Brass Co 414 Meadow St Waterbury 20 Conn
American Brass Co French Small Tube Div 128 Robins St Waterbury 20 Conn
American Car & Foundry Div ACF Industries Inc 750 Third Ave New York 17 N Y
American Chain & Cable Co Automotive & Aircraft Div 601 Stephenson Bldg Detroit 2 Mich
AMERICAN CHAIN DIV AMERICAN CHAIN & CABLE CO 454 E Princess St York Pa
American Coleman Co Littleton Colo
American Coupling Corp 2335 Goodrich St Ferndale 20 Mich
American Cyanamid Co 30 Rockefeller Plaza New York 20 N Y
American Decalcomania Co Inc 4326 5th Ave Chicago 24 Ill
American Dockbridge Inc 235 W Oklahoma Ave Milwaukee 1 Wis
American Eagle Perma-Gap Spark Plug Corp 8655 Military St Detroit 4 Mich
American Electrical Heater Co Woodward Cass & Burroughs Aves Detroit 2 Mich
American Electric Cable Co 181 Appleton St Holyoke Mass
American Engineering Co Wheatsheaf Lane & Sepviva Street Philadelphia 37 Pa
American Enka Corp 350 Fifth Ave New York 1 N Y
American Felt Co Glenville Conn
American Fire Apparatus Co Golden Ave at Main St Battle Creek Mich
American Forging & Socket Co P O Box 210 Pontiac Mich
American Gage & Mfg Co 125 Bayard St Dayton 1 Ohio
American Gas Machine Co Div of Queen Stove Works 505 Front St Albert Lea Minn
American Generator & Armature Co 6100 W Grand Ave Chicago 39 Ill
AMERICAN GREASE STICK CO Muskegon Mich
AMERICAN HAMMERED AUTOMOTIVE REPLACEMENT DIV SEALED POWER CORP ACCURALITE DIV 2001 Sanford St Muskegon Mich
American Hoist & Derrick 63 S Robert St St Paul 7 Minn
American Instrument Co 8030 Georgia Ave Silver Spring Md

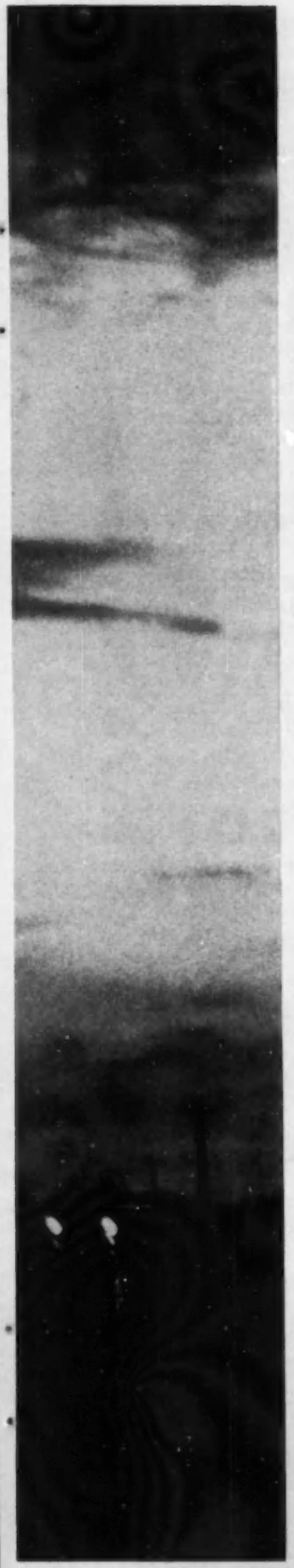
Product listings begin on page 53

American Insulator Corp New Freedom Pa
American Lacquer Solvents Co Perkiomen Junction Phoenixville Pa
American La France-Foamite Corp 100 E La France St Elmira N Y
American Latex Products Corp 3341 El Segundo Blvd Hawthorne Calif
American Liquid Gas Corp 1109 Santa Fe Ave Los Angeles 21 Calif
American Logging Tool Corp 4203 Union Blvd St Louis 15 Mo
American Machine Works 1927 W Broadway Spokane Wash
American Marc Inc 1601 W Florence Ave Inglewood Calif
American Mat Corp 2411 Adams St Toledo 2 Ohio
AMERICAN METAL PRODUCTS CO UNISON ACTION SEAT DIV 5959 Lindale Ave Detroit 4 Mich
American Mfg Co P O Box 989 Montgomery 2 Ala
American Monorail Co 13107 Athens Ave Cleveland 7 Ohio
AMERICAN MOTORS CORP AUTOMOTIVE DIV (Rambler) Detroit 32 Mich
American Motor Products Co Fond du Lac Wis
American Nickeloid Co Peru 34 Ill
AMERICAN OIL CO 555 Fifth Ave New York 17 N Y
American Paint Co 902 Larabee St Chicago 10 Ill
American Pulley Co 4200 Wissahickon Ave Philadelphia 29 Pa
American Road Equipment Co 4201 N 26th Omaha Neb
American Safety Equipment Co 350 Fifth Ave New York 1 N Y
American Safety Tank Co 3937 Main St Kansas City 11 Mo
American Sand-Banum Co 1 N Merrick Ave Merrick N Y
American Saw & Mfg Co 67-71 Boylston St Springfield Mass
American Sealants Co 193 Woodbine St Hartford 6 Conn
AMERICAN SEATING CO 9th St & Broadway Grand Rapids Mich
American Standard Industrial Div Detroit 32 Mich
AMERICAN STEEL & WIRE CO Rockefeller Bldg Cleveland 13 Ohio
AMERICAN STEEL FOUNDRIES 3761 Canal St East Chicago Ind
American Steel Works 1211 W 27th Kansas City Mo
American Tape Co 4058 Beaufait Ave Detroit 7 Mich
American Trailer & Mfg Co 12222 S Woodruff Ave Downey Calif
American Truck Body Co Martinsville Va
American Varnish Co 1138 North Branch St Chicago 22 Ill
Ames Co B C 12 Ames St Waltham 54 Mass
Amesbury Seat Mfg Co 200 S River St Ypsilanti Mich
AMMCO TOOLS INC 2100 Commonwealth Ave North Chicago Ill
Amot Controls Corp Richmond Calif
AMP Inc Eisenhower Blvd Harrisburg Pa
Ampco Metal Inc 1737 S 38th St Milwaukee 1 Wis
Amplex Engineering Co 2510 Grand Ave New Castle Ind
Am-Plus Storage Battery Co 1000 W 94th St Chicago 20 Ill
Amseco Inc 145 S Monterey Ave Villa Park Ill
Amthor Testing Instrument Co 45 Van Sinderen Ave Brooklyn 7 N Y
Anaconda Aluminum Co P O Box 1654 Louisville Ky
Anaconda Div American Brass Co 698 S Main St Waterbury 20 Conn
Anchor Coupling Co 342 N 4th St Libertyville Ill
Anchor Packing Co 401 N Broad St Philadelphia 8 Pa
Anchor Post Products Inc 6500 Eastern Ave Baltimore Md
Anchor Rubber Products Div of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio
Anderson Brass Co 100 S Campbell Ave Detroit 9 Mich
Anderson Co 1075 Grant St Gary 40 Ind
Anderson Co O L 12400 Burt Rd Detroit 28 Mich
Anderson Pritchard Oil Corp 1000 Liberty Bank Bldg Oklahoma City 2 Ohio
Andrew Parts Mfg Co 32-70 31st Long Island City 6 N Y
Andrews Bearing Co P O Box 570 Spartanburg S C
Andrews Industries Inc 7901 Alabama Ave St Louis 11 Mo
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
Angle Steel Co 56 Oak St Plainwell Mich
Anker-Holth Div of Wellman Engrg 2723 Connors St Port Huron Mich
Ansted Corp 1428 W Henry St Indianapolis 7 Ind
Ansul Chemical Co Fire Extinguisher Div Marinette Wis

NOW YOU GET BOTH
THE TRACTION OF AN
OFF-THE-ROAD TIRE AND
THE MILEAGE OF
A HIGHWAY TIRE IN THE

New B.F.Goodrich All-Purpose Traction Tire for Trucks

DESIGNED for all types of trucks operating on and off the road. Gives up to 14% more traction, 46% longer wear than old-style tires built for such service. Newest proof of the fact that buying the right truck tire is as easy as B-F-G.



AT HOME IN THE ROUGH AND ON THE ROAD. New All-Purpose Traction shoulder cleats dig in and pull in forward or reverse. Specially designed center rib stabilizes the deep tread (67% deeper than a regular tire tread), adds mileage. Extra benefits: tapered tread grooves to eject stones, open shoulders to dispel heat, BFG Flex-Rite Nylon cords to resist flex breaks, assure more retreadable tires. Why "make do" with less than the new, dollar-saving All-Purpose Traction tire? It's available (tubeless or tube-type, Tyrex or nylon) from your B.F.Goodrich dealer listed under Tires in the Yellow Pages. *The B.F.Goodrich Company, Akron 18, Ohio.*

Specify B.F.Goodrich Tubeless or tube-type tires when ordering new trucks or trailers

B.F.Goodrich

● More details? Circle 223 on reply card inside back cover

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ANTHES DIV GLEASON CORP 20th St and Ave M Ft Madison Iowa
Anthony Co Streator Ill
Anti-Rust Corp 315 E 91st St New York N Y
Anzick Auto Body Parts Co 23675 Mound Rd Van Dyke Mich
Apco Mossberg Co Lamb St Attleboro Miss
Apex Machine & Tool Co 1025 Patterson Blvd Dayton Ohio
Apex Reinforced Plastics Div of White Sewing Machine Corp 100 Elm St at Washington Cleveland 13 Ohio
Apollo Metal Works Inc Clearing Station Chicago 38 Ill
Arco Co 7301 Bessemer Ave Cleveland 27 Ohio
Argo Instruments Corp 613 West 46th St New York 36 N Y
Ark-Les Switch Corp 51 Water St Watertown 72 Mass
Arkansas Machine Specialty Co Hope Ark
Armco Drainage & Metal Products Subsidiary of Armstrong Steel Corp 4330 Curtis St Middletown Ohio
ARMCO STEEL CORP 703 Curtis St Middletown Ohio
Armour Coated Abrasives Div Armour & Co North Benton Rd Alliance Ohio
Armour Cushioning Products Div Armour & Co North Benton Rd Alliance Ohio
Armstrong Bros Tool 5200 W Armstrong Ave Chicago 46 Ill
ARMSTRONG CORK CO INDUSTRIAL DIV Lancaster Pa
Armstrong Mfg Co 303 Knowlton St Bridgeport 8 Conn
Armstrong Norwalk Rubber Corp 20 Glover Ave Norwalk Conn
ARMSTRONG RUBBER CO 475 Elm St West Haven 16 Conn
Arnholt Corp Automatic Div Argonne Rd Warsaw Ind
Arn-Wood Co 610 Colfax Street Denver 4 Colorado
Aro Equipment Corp Bryan Ohio
Arrow Armatures Co 15 Fordham Rd Boston 39 Mass
Arrow Head Steel Products Co Howell Mich
Arrow Products Inc S Ferry St Grand Haven Mich
ARROW SAFETY DEVICE CO Georgetown 2 Del
Arrow Tool & Reamer Co 711 Stephenson Highway Troy Mich
Arsco Mfg & Sales Corp 451-10 Ave New York 18 N Y
Arvin Industries Inc 13th St & Big Four R R Columbus Ind
Asbestos Mfg Co E Sabine Street Huntington Ind
Asbestos Textile Co 165 W Wacker Drive Chicago 1 Ill
Ashland Mfg Co 4003 Seven Mile Lane Baltimore 8 Md
Ashland Oil & Refining Co 1409 Winchester Ave Ashland Ken
Ashton Equipment Co 1701 W Lafayette Ave Detroit 16 Mich (Sole distributors Collins & Associates 4902 Heirwerth Ave Cincinnati 38 Ohio)
Associated Div Tide Water Associated Oil Co 79 New Montgomery St San Francisco Calif
Associated Equipment Corp 5147 Natural Bridge Ave St Louis 15 Mo
Astoria Body Corp Astoria Ill
Astoria Mfg Co 42-02 Vernon Blvd Long Island City 1 N Y
Athey Products Corp 5631 W 65th St Chicago 38 Ill
Athol Mfg Co 71 Chestnut Hill Ave Athol Mass
Atlantic Metal Hose Co 308 Dyckman St New York 34 N Y
Atlantic Refining Co 260 S Broad St Philadelphia Pa
Atlantic Steel Co 16th & Mecaslin St Atlanta Ga
Atlas Asbestos Co 469 Walnut St North Wales Pa
Atlas Fence Co 3644 Richmond St Philadelphia 34 Pa
Atlas Press Co 1842 N Pitcher St Kalamazoo Mich
Atlas Trailer Mfg Corp 390 Tonnelle Ave Jersey City 6 N J
Atmars Tool Co 3561 Lakeshore Ave Oakland 10 Calif
Atomic Engineering Corp Box 1701 Grand Junction Colo
Atomized Materials Co 207 Rauch Bldg Pittsburgh 5 Pa
Attwood Brass Works Inc 303 Douglas St N W Grand Rapids Mich
Atwood Vacum Machine Co 1400 Eddy Ave Rockford Ill
Auburn Spark Plug Co York St Auburn N Y
Austin Trailer Equipment Co 1148 W Western Ave Muskegon Mich
Austin Western Works Construction Equipment Div Baldwin Lima Hamilton Corp 601 Farnsworth Ave Aurora Ill
Autac Inc Box 1071 New Haven Conn
Auto Body Works Pierce Ave & Eighth St Appleton Wis
AUTOCAR DIV OF WHITE MOTOR CO Exton Pa
Auto-Craft Mfg Co Div of B-N Corp 2425 San Fernando Rd Los Angeles 65 Calif
Auto Crane Co 1214 S Norwood Tulsa 12 Okla
Auto Glass Mfg Co 8701 Brinnell Ave Detroit 13 Mich
AUTO-LAMP MFG CO 2909 S Indiana Ave Chicago 9 Ill
Auto Matic Alarm Systems 2311 Indiana Ave Chicago Ill
AUTOMATIC BATTERY CO OF AMERICA P O Box 224 Goldsboro N C
Automatic Switch Co Hanover Rd Florham Park N J
Automatic Nut Corp 16th & Willow Sts Lebanon Pa
Automatic Transportation Co Div Yake & Towne Mfg Co 101 W 87th St Chicago 20 Ill
Automatic Vulcanizers Corp 16 Hudson St New York 13 N Y
Auto-Mechanical Dockboard Inc 500 N Stanwood Rd Columbus 9 Ohio
Automotive Devices Inc P O Box 297-2 Westfield Ind
Automotive Equipment Mfg Co 11000 S Alameda St Lynwood Cal
Automotive Finishes Inc 8747 Brandt St Dearborn Mich
Automotive Industries Corp Owendale Mich
Automotive & Marine Products Corp 165 Chestnut Hill Ave Boston 35 Mass
Automotive Products Div Crotty Corp 35 E Chicago Ave Quincy Mich
Automotive Thrust Bearings Corp 2021 S Michigan Ave Chicago 16 Ill
Auto Radiator Mfg Co 2901 Indiana Ave Chicago Ill
Autoramp Div Adeco Construction Co 216 Crown St New Haven Conn
AUTO SPECIALTIES MFG CO 643 Graves St St Joseph Mich
Auto Test Inc 600 S Michigan Ave Chicago 5 Ill
Auto Truck Steel Body Co 3040 Carroll Ave Chicago 12 Ill
Auto Vehicle Parts Co 1032 Saratoga St Newport 6 Ky
Autoquip Corp 1-140 S Washtenaw St Chicago 12 Ill
Available Truck Co Div of Crane Carrier Corp P O Box 5008 Tulsa Okla
Avdel Inc 210 S Victory Blvd Burbank Calif
Avon Tube Div of Highie Mfg Co Charles St Rochester Mich

B

BEW Corp 3055 E 12th Street Los Angeles 23 Calif
B G Corp 321 Broad Ave Ridgefield N J
BMC Mfg Co 5 Griswold St Binghamton N Y
Babaco Alarm Systems Inc 733 Washington St New York N Y
BACHARACH INDUSTRIAL INSTRUMENT CO 200 N Braddock Ave Pittsburgh 8 Pa
Bacon American Corp 718 S Elliott St Muncie Ind
Bacon Vulcanizer Mfg Co 1295 67th St Oakland 8 Calif
Badger Body Mfg Co 2719 Cuming St Omaha Neb
Badger Mfg Corp 1501 W Polk St Chicago Ill
Badger Mfg Co 1505 City Court Marinette Wis
Baird Dynamic Corp Plastics Div 1700 Stratford Ave Stratford Conn
Bakelite Co 30 E 42nd Street New York 17 N Y
Baker Equipment Engrg Co Summit & Norfolk Sts Richmond 11 Va
Baker Industrial Truck Div of Otis Elevator Co 8000 Baker Ave Cleveland 2 Ohio
Baker Mfg Co 5660 W River Rd Marine City Mich
Baker Mfg Co 154 W Water St Kankakee Ill
Baker Trailer & Body Co 700 N 20th St St Louis 3 Mo
Balcrank Inc Disney St nr Marsburg Cincinnati Ohio
Baldor Electric Co 4357 Duncan Ave St Louis 10 Mo
Baldwin Lima Hamilton Corp Austin Western Div Philadelphia Bank Bldg Phila 7 Pa
Baldwin Mfg Co J A P O Box 656 Kearney Neb
Ball Chemical Co 524 Federal St Pittsburgh 12 Pa
Balloon Tire Mould Co 527 Ceres Ave Los Angeles 1 Cal
Ball & Roller Bearing Co 22 Maple Ave Danbury Conn
Baltimore Body Corp 2253 Kirk Ave Baltimore Md
BANDAG INC 1058 Hershey Ave Muscatine Iowa
Banner Aluminum Body Corp N E Corner 19th & Washington Ave Philadelphia 46 Pa
Barber Colman Co 1300 Rock St Rockford Ill
BARBER'S GLASS & MFG. CO 13 Harrison Box 588 Oklahoma City Okla
Barbour Stockwell Instruments 80 Cambridge St Worcester Mass
Barch Nicholson Co 8100 Joy Rd Detroit 4 Mich
Bardohl Mfg Corp 1400 W 52nd St Seattle 7 Wash
Barkow Co H 153 N Milwaukee St Milwaukee 2 Wis
Barnes Corp John S 301 S Water St Rockford Ill
Barmotive Products Inc 440 Peralta Ave San Leandro Calif
Barnes Drill Co 826 Chestnut St Rockford Ill
Barr & Co W M 2336 S Lauderdale St Memphis 6 Tenn
Barrentine Mfg Co P O Box 697 Greenwood Mass
Barrett Cravens Co 630 Dundee Rd Northbrook Ill
Barrett Co Leon L 1477 Grafton St Worcester Mass
BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
Barry & Baily Co 2419 N 27th St Philadelphia 32 Pa
Bar's Products Supply Inc P O Box 146 Holly Mich
BARTLETT TRAILER CORP 3080 Archer Ave Chicago 8 Ill
Barton Products Co 1891 N Winnebago Ave Chicago 47 Ill
Batavia Body Co 5 W Wilson St Batavia Ill
Bath & Co Cyril Metal Form Div 32280 Aurora Rd Solon Ohio
Bath & Co John 10 Mann St Worcester 8 Mass
Bathey Mfg Co 100 S Mill St Plymouth Mich
Battenfield Grease & Oil 3148 Roanoke Rd Kansas City 8 Okla
Baughman Mfg Co Shipman Rd Jerseyville Ill
Bay City Shovels Inc 2611 Center St Bay City Mich
Bay Mfg Div Electric Auto Lite Co Bay City Mich
Bay Mfg Div of Life Time Products Corp Box 85 Canfield Ohio
Bay Products Div American Metal Works Inc 1835 W Cambria St Philadelphia 22 Pa
Bay State Abrasive Products Co 12 Union St Westboro Mass
Bay State Tap & Die Co Chauncey St Mansfield Mass
Beacon Auto Radiator Co 110 Brookline Ave Boston 15 Mass
Beacon Corp 235 Sexton Bldg Minneapolis 15 Minn
Beacon Devices Inc 74 Olive St North Tonawanda N Y
Beall Pipe & Tank Corp 12005 N Burgard St Portland 3 Ore
Beall Tool Div Herbrand & Co East Alton Ill
BEAM PRODUCTS MFG CO 3046 Rosslyn St Los Angeles 65 Calif
Beam's Mfg Co 13th N Robinson Oklahoma City Okla
Bean Div John Food Machinery & Chemical Corp 1305 S Cedar Lansing 4 Mich
BEAR MFG CO 2016 Fifth Ave Rock Island Ill
Beard Tool Co L O Andrew & Mill Sts Lancaster Pa
BEARINGS CO OF AMERICA DIV OF FEDERAL-MOGUL-BOWER BEARINGS INC 501 Harrisburg Ave Lancaster Pa
Beck Equipment Co 3350 West 137th St Cleveland 11 Ohio
Beckett-Harcum Co 985 W Locust St Wilmington Ohio
Beckman Instrument Inc Berkeley Div 2200 Wright Ave Richmond Calif
Bedell Trailer Co 1506 S Flores St San Antonio 4 Tex
Bee Line Co P O Box 569 Davenport Iowa
Beeson-Reichert Inc Toledo Trust Bldg Toledo 4 Ohio
Behr-Manning Corp 6118 Howe Ave Troy N Y
BEKAERT STEEL WIRE CORP 655 Madison Ave New York 21 N Y
BELDEN MFG CO 415 S Kilpatrick St Chicago 80 Ill
Belgrade Wagon Works 3740 E Thompson St Philadelphia 37 Pa
Bell Co 411 N Wolcott Ave Chicago 22 Ill
Bell & Gossett Co 8200 Austin Ave Morton Grove Ill
Bell Laboratory Inc 2421 KilGora St Orlando Fla
Bellows Co 222 W Market St Akron 9 Ohio
Bellows-Valvair Div of International Basic Economy Corp 222 W Market St Akron 9 Ohio
Belmont Body Builders 175 Belmont Ave Newark 3 N J

Belmont Smelting & Refining Works 3269 Belmont Ave Brooklyn N Y
Belmor Mfg Co 3326 W Cermak Rd Chicago 23 Ill
Bemar Co 3189 W 33rd Street Cleveland 9 Ohio
Bemis Bros Bag Co 111 N Fourth St Box 79 St Louis 2 Mo
Bender Equipment Co J H 5430 Tweedy Blvd South Gate Calif
Bendix Corp Pioneer-Central Div Sonic Energy Products 2754 Hickory Grove Ave Davenport Iowa
Bendix Filter Div Bendix Corp 434 W 12 Mile Rd Royal Oak Mich
BENDIX PRODUCTS DIV BENDIX CORP 401 N Bendix Drive South Bend 20 Ind
BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Rd Elyria Ohio
Bendix-Skinner Div Bendix Corp 434 W 12 Mile Rd Royal Oak Mich
Bennett-Feragen Inc 1408 Jerome St Niles Mich
BENNETT PUMP DIV JOHN WOOD CO Muskegon Mich
Benz Spring Co 321 N W Ninth Ave Portland 9 Ohio
Berg Gibson Mfg Co 817 E 17th St Kansas City 8 Mo
Berg Mfg & Sales Co Inc 1712-14 S Michigan Blvd Chicago 16 Ill
Bergen Wire Rope Co 52 Gregg St Lodi N J
Berger Mfg Div Republic Steel Corp 1038 Belden Ave N E Canton 5 Ohio
Bergman Tool Mfg Co 1573 Niagara St Buffalo 13 N Y
Bergstrom Mfg Co N Madison St Rockford Ill
Berkson Products Inc 217 N Desplaines St Chicago 6 Ill
Berman Service Inc Pennsburg Pa
Besley & Co Chas H 118 N Clinton St Chicago 6 Ill
Besley-Welles Corp 111 W Monroe St Chicago 3 Ill
BEST VALUES CO 403 Market St Newark N J
Bethlehem Steel Co Bethlehem Pa
Better-Bilt Door Co Egg Harbor City N J
Better Monkey Grip Co 5320 Harry Hines Blvd Dallas 22 Tex
BETTS MACHINE CO 1800 Pennsylvania Ave W Warren Pa
Betts Spring Co 868 Folsom St San Francisco Calif
Big Boy Products Div of Dalton Foundries Inc Lincoln & Jefferson Sts Warsaw Ind
BIG FOUR INDUSTRIES INC Maineville (Foster) Ohio
Big Joe Mfg Co 900 W Jackson Blvd Chicago 7 Ill
Biggs Steel Foundry & Fabricating Co 1007 Bank St Akron Ohio
Billings & Spencer Co 1 Laurel St Hartford Conn
Biltmore Products Inc 36 St Paul St Rochester 4 N Y
Bingham-Herbrand Corp Fremont Ohio
BINKLEY MANUFACTURING CO Warrenton Mo
Binks Mfg Co 3114 Carroll Ave Chicago 12 Ill
Birdsell Mfg Co 750 San Antonio Rd Palo Alto Calif
Birmingham Mfg Co 14 S 55th St Birmingham Ala
BISHMAN MANUFACTURING CO Route 2 Osseo 26 Minn
Bishop & Babcock Mfg Co 4901 Hamilton Ave N E Cleveland 14 Ohio
BLACK & DECKER MFG CO 629 Pennsylvania Ave Towson 4 Md
Black Diamond Trailer Co Euclid Ave Bristol Va
BLACKHAWK AUTOMOTIVE DIV BLACKHAWK MFG CO 5325 W Rogers St Milwaukee 46 Wis
Black Mfg Co 403 Penn St Baltimore 30 Md
Black & Sons Inc Adam 276 Tonnele Ave Jersey City 6 N J
Blackstone Mfg Co 4630 W Harrison St Chicago 44 Ill
Blair Equipment Co 902 Blair St Flint 4 Mich
Blaisdell Mfg Co 1350 Coronado Ave Long Beach 4 Calif
Blakeslee & Co G S 1844 S Laramie Ave Cicero 50 Ill
Blitz Electric Co 5713 Wentworth Ave Chicago 21 Ill
Blood Brothers Machine Co Div Rockwell Spring & Axle Co Allegan Mich
Blosom Mfg Co 2337 McDonald Ave Brooklyn N Y
Blue Bird Body Co Fort Valley Ga
Blue Crown Corp Defiance Ohio
Boardman Co P O Box 1152 1401 S W 11th St Oklahoma City Okla
Body Builders Inc 1445 16th St Huntington 1 W Va
Bogue Electric Mfg Co 52 Iowa Ave Paterson 3 N J
Bohn Aluminum & Brass Corp 1400 Lafayette Bldg Detroit 26 Mich
Boice Crane Co 930 W Central Ave Toledo 6 Ohio
Boice Gages Inc Hyde Park N Y
Boker & Co 101 Duane St New York N Y
Bolick Sons Co Jerome Conover N C
Bolling Wheel & Axle Div Anderson Bolling Mfg Co Grand Haven Mich
Bolser Corp 27th & Main Sts Cedar Falls Iowa
Bonded Products Inc 404 S Jefferson St Orange N J
Bonded Scale & Machine Co 83 Bellevue Ave Columbus Ohio
Bondo Div Joyce Chemical Corp Forest Rd Northford Conn
Bonney Forge & Tool Works 2400 Rockhill Rd N Alliance Ohio
Bonus Products 3001 S Kedzie Avenue Chicago 23 Ill
Bonzer Western Corp 3055 E 12th St Los Angeles 23 Calif
Booth Felt Co 1726 Tenth Ave Brooklyn 15 N Y
Boots Aircraft Nut Corp Newton Turnpike Norwalk Conn
Bordner Mfg Co 101 S Louis Ave Freeport Ill
Borg & Beck Div Borg Warner Corp 6553 S Menard Ave Chicago 38 Ill
Borg Warner Service Parts Co 310 S Michigan Ave Chicago 4 Ill
Born & Sons Inc Herman N North Point Rd & Bayview Ave Baltimore 24 Md
Borroughs Mfg Co 3002 N Burdick St Kalamazoo Mich
Borroughs Tool & Equipment Corp 2429 N Burdick St Kalamazoo Mich
Boruski J Ernest F 7104 Alvern St Los Angeles 45 Calif
BOSCH CORP ROBERT 40-25 Crescent St Long Island City N Y
Bos Tool Co Delaware & Main Sts Penns Grove N J
Boston Auto Gage Co 70 West St Pittsfield Mass
Boston Gear Works Div Murray Corp 14 Hayward St Quincy 71 Mass
Boston Steel & Mfg Co 112 Bryant St Malden 48 Mass
Boston Woven Hose & Rubber Co 29 Hampshire St Cambridge Mass P O Box 1071 Boston 3 Mass
BOSTROM CORP 133 W Oregon St Milwaukee 4 Wis
Bostwick Laboratories Inc Aersol Div of B T Babbitt Inc 625 Madison Ave New York 22 N Y
Bound Brook Safety Equipment Co 232 W Union Ave Bound Brook N J
Bowen Products Corp Auburn N Y
BOWER ROLLER BEARING DIV FEDERAL MOGUL BOWER BEARINGS INC 3040 Hart Ave Detroit 14 Mich
Bowers Battery & Spark Plug Co Reading Pa
Bowes "Seal Fast" Corp 5902 E 34th St Indianapolis 18 Ind
Bowser Inc 1302 E Creighton Ave Fort Wayne 2 Ind
Bowman Products Co The 850 E 72nd St Cleveland 3 Ohio
BOYERTOWN AUTO BODY WORKS INC Third & Walnut Sts Boyertown Pa
Boyle Midway Inc 22 E 40th St New York 16 N Y
Brad Foote Gear Works Inc 1309 S Cicero Ave Cicero 50 Ill
Braden Winch Co Box 547 Broken Arrow Okla
Bradney Machine Co 70 Monhagen Ave Middletown N Y
Brakemaster Corp 4603 W Roosevelt Rd Chicago 50 Ill
BRANICK MFG CO INC 2600 Third Ave N Fargo N D

→

Branke Development Co Union Bldg Wheeling W Va
Branson Ultrasonic Corp 40 Brown House Rd Stamford Conn
BREEZE CORPORATIONS INC 700 Liberty Ave Union N J
Bremil Mfg Co 1700 Pittsburgh Ave Erie Pa
Brennan Motor Mfg Co 500 E Water St Syracuse N Y
Bren Weld Corp 5114 Third Ave Brooklyn 20 N Y
Brewer Titchener Corp 115 Pt Watson St Cortland N Y
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Bridgeport Hardware Mfg Corp Scofield Ave Bridgeport Conn
Briggs Mfg Co 3675 E Outer Drive Detroit 34 Mich
Briggs Filtration Co Automotive Div River Rd Washington 16 D C
Briggs Shock Absorber Co 1148 Euclid Ave Cleveland Ohio
Briggs & Stratton Corp 2711 N 13th St Milwaukee 1 Wis
Brimco Mfg Co 1220 S Industrial Rd Salt Lake City Utah
Brisko's Mileage Saver Inc Box 38 Ojibwa Wis
Bristol Co Waterbury 20 Conn

Product listings begin on page 53

Bristol Co Instrument Div 117 Bristol Rd Waterbury Conn
Brockton Stay Co 24 Essex St Haverhill Mass
BROCKWAY MOTOR TRUCKS DIV OF MACK TRUCKS INC 106 Central Ave Cortland N Y
Brooks & Perkins Inc 1950 W Front St Detroit 18 Mich
Brown Co E C Canandaigua N Y
Brown Corp 213 Bellevue Ave Syracuse N Y
Brown Corp W R 2701 N Normandy Ave Chicago 35 Ill
Brown Engineering Co 131 N Third St Reading Pa
Brown Inc Dayton T 1305 Strong Ave Copiague L I N Y
Brown Line Corp 111 Main St El Segundo Cal
Brown Lipe Chapin Div General Motors Corp Town Line Rd Syracuse N Y
Brown Paul Fyre-Blok Sales Inc Chesapeake Ohio
Brown & Sharpe Mfg Co 235 Promenade St Providence R I
Brown Solvents Corp 111 E Griffith St Charlotte N C
Brown Tool Mfg Co 9422 Trenton Ave St Louis 14 Mo
BROWN TRAILER DIV CLARK EQUIPMENT CO Box 410 Michigan City Ind
Brown Truck & Trailer Mfg Co P O Box 1281 Morris Field Charlotte 1 N C
Browning Manufacturing Co P O Box 2707 San Antonio Texas
Brubaker & Bros Co W L Millersburg Pa
Bruce Products Corp 500 N West St Howell Mich
Brulin & Co 2939 Columbia Ave Indianapolis 7 Ind
Bruning Bros Inc 4209 E Chase St Baltimore 5 Md
Brunner Div Of Durham Bush Inc 179 South St West Hartford 10 Conn
Brunswick Body Works U S Route 1 New Brunswick N J
Buckeye Iron & Brass Works 324 E 3rd St Dayton 1 Ohio
Buckeye Reliner Producing Co 637 N Jackson St Lima Ohio
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio
Buckeye Tools Corp 5005 Springboro Pike Dayton 9 Ohio
Buckingham Mfg Co 7-9 Travis Ave Binghamton N Y
Bucyras Erie Co South Milwaukee Wis
Buda Div Allis Chalmers Mfg Co Milwaukee 1 Wis
BUDD CO 12141 E Charlevoix Ave Detroit 15 Mich
BUDD CO 2450 Hunting Park Ave Philadelphia 32 Pa (Brake Drums)
Buffalo Forge Co 490 Broadway Buffalo 4 N Y
Buffalo Scale Co 46 Letchworth St Buffalo 13 N Y
Buffalo Springfield Roller Co 1210 Kenton St Springfield Ohio
Buick Motor Div General Motors Corp Flint 2 Mich
Builders Ornamental Iron Co 4655-59 W Arthington St Chicago 44 Ill
Bullard Co E D 2680 Bridge Way Sausalite Calif

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Fargo, North Dakota
FACTORY REPRESENTATIVES
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501 East Exchange Street
Akron, Ohio
Phone: BLackstone 3-7042
TEmple 6-4630
Don Ayd
211 North Schlueter Avenue
St. Louis, Missouri
Phone: JAckson 1-4374
Ray Brictson
7346 Lake Street
River Forest, Illinois
Phone: FOrest 9-8322
J. H. Jones
326 Holly Avenue
Jacksonville 11, Florida
Phone: RAymond 5-1699
Ed Greenman
714 Blue Hill Avenue
Boston, Massachusetts
Phone: TAlbot 5-3907
COlumbia 5-3551
John C. Huber
9505 Paramount Blvd.
Downey, Calif.
TOpaz 2-1215
Robert E. Sanderson
221 11th Street
San Francisco, California
HEmlock 1-6246
Lyle Wolf
1149 California St.
Denver, Colorado
Phone: KEystone 4-8857
See advertisement on Page 326

Announcing for '61...

American 4-door Super Sedan—For 1961 the Rambler American is more compact *outside*, yet has room for six average adults *inside*. A Rambler American Custom swept to first place over all other compacts in the 1960 Mobilgas Economy Run! Also available in 2-door sedan, 2-door business coupe, 2- and 4-door station wagons.

A FULL LINE OF FLEET PROVED COMPACT CARS FROM RAMBLER

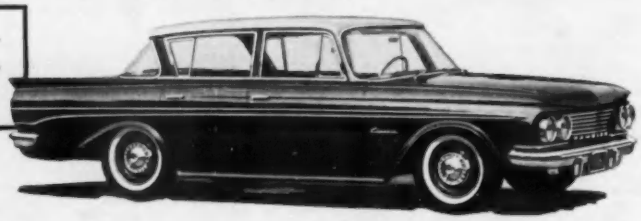
Rambler for 1961 offers three series of compact fleet cars —the world's widest choice of models—with a host of new man-saving, money-saving features including . . .

- New die-cast aluminum engine proved in two million rugged test miles for durability, performance and economy . . . standard on Classic Custom . . . optional extra on other Classic models.
- New Ceramic-Armored muffler and tail-pipe guaranteed against defect as long as they're in the service of the original fleet owner.
- New molded fiber-glass ceiling that cuts road noise 30% . . . increases headroom . . . featured on all Classic and Ambassador models.

Recent fleet surveys prove Rambler maintenance costs are lowest of all cars, Rambler resale value is tops. See how much more money you save with Rambler—America's Economy King!

Rambler Classic 4-door Super Station Wagon—Here's 80 cubic feet of cargo room for tools, samples, display material, light machinery. Choose from two 6's or high-performing V-8. Initial price may be actually less than competitive *sedans* you are now using. Choice of heavy duty equipment.

American Motors Fleet Department will coordinate purchases for fleet users throughout the country—with or without trade.



Rambler Classic Super 4-door Sedan—Fast becoming America's most popular fleet sedan. If your company leases fleet units, ask your leasing company for low Rambler rates or write us for the names of leasing companies with whom we have working arrangements.

No obligation! Demonstrators available for "on-the-job" test!

SEE YOUR RAMBLER DEALER

or write or wire

FLEET SALES DEPARTMENT—Dept. D-11

AMERICAN MOTORS CORPORATION

14250 Plymouth Road, Detroit 32, Michigan

MORE SAFE STOPS *per brake drum Dollar*

with REYCO!

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WORLD'S LARGEST-SELLING REPLACEMENT BRAKE DRUM

. . . with famous Reyco Frictional Metal, alloyed for maximum strength and longer life.

. . . with Reyco Engineered Design for sure stopability.

EXPERIENCED FLEET OPERATORS SAY:

YOU CAN RELY ON REYCO!

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● More details? Circle 225 on reply card inside back cover

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BUMPERS INC 2534 Detroit Ave Cleveland Ohio
Bundy Tubing Co 8109 Jefferson Ave Detroit 14 Mich
Burd Piston Ring Co Box 567 Eau Claire Wis
Burdett Mfg Co 4920 S Monitor St Chicago 38 Ill
Burdett Oxygen Co Of Cleveland Inc 3300 Lakeside Ave Cleveland 14 Ohio
Burgess Battery Co Ft Of Exchange St Freeport Ill
Burgess Leather Co A E Brigham Hill Rd Grafton Mass
Burgess Norton Mfg Co 737 Peyton St Geneva Ill
Bunke Musser Inc Box 386 Jackson Center Ohio
Burlington Mills Inc Burlington Wis
Burndy Corp Omaton Div Norwalk Conn
Burnshine Products Co 8140 Ridgeway Ave Skokie Ill
Burroughs Corp Second & Burroughs Ave Detroit 32 Mich
BURRUSS LAND & LUMBER CO P O Box 129 Lynchburg Va

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Bustin Steel Products Inc Dover N J
Butler Mfg Co Buildings Div 7537 E 13th St Kansas City 26 Mo
Buxbaum Products Co 520 McKinley Ave N W Canton 2 Ohio
By-Buck Co 4314 W Pico Blvd Los Angeles 6 Calif

C

CAV Fuel Injection Equipment Div of Lucas Electrical Services Inc 14820 Detroit Ave Cleveland Ohio
C & C Trailer & Body Co 300 San Leandro Blvd San Leandro Calif
C H & E Manufacturing Co 3849 N Palmer St Milwaukee 12 Wis
Caine Steel Co 5501 W Grand Ave Chicago 39 Ill
Calco Steel Products Co 23-29 New England Ave Dor-Chester 24 Mass
California Car Wash Systems Inc 7265 Radford Ave N Hollywood Calif
California Co Denver 1 Colo
California Industrial Products 5765 Meadow Rd South Gate Calif
California Oil Co Perth Amboy N J
Calumet Steel Castings Corp 1636 Summer St Hammond Ind
Cal-Van Machine Products 809 S Water St Jackson Mich
Cam Tool Co Inc 1038 Larkin St San Francisco Calif
CAMPBELL CHAIN CO York Pa
Campbell Co A S 161 Prescott St East Boston 28 Mass
Campbell Hausfeld Cor 211 Railroad Ave Harrison Ohio
Campbell Paint & Varnish Co Div Glidden Co 106 Gratiot St St Louis 2 Mo
Campbell Wyant & Cannon Foundry Co Muskegon Mich
CAMBRIDGE INSTRUMENT CO 420 Lexington Ave New York 17 N Y
Can Tool Co 288 22nd St Oakland 12 Calif
Cannon Chemical Co 181 Portland St Cambridge 41 Mass
Canton Drop Forging & Mfg Co 207 12th St S E Canton Ohio
Canton Malleable Iron Canton Ohio
Canton Manufacturing Co 2408 13th St N E Canton 5 Ohio
Capitol Refrigeration Inc Artic Kar Div 3922 Kalloch Drive Dallas 3 Texas
Capitor Refrigeration & Mfg Co 3922 Kullock Dr Dallas 16 Texas
Carbone Co Mytle Ave Boonton N J
Carborundum Co Niagara Falls N Y
Card Mfg Co S W Div Union Drill Co Rumford Ave Mansfield Mass
Carr Fastener Co 31 Ames St Cambridge 42 Mass
Cargo Guard Inc P O Box 1977 Thompson's Point Portland 2 Me
Cargo Stabilizing Devices 8242 McCormick Blvd Skokie Ill
Cargotainer Div Tri-State Engineering Co 325 W Beau St Washington Pa
Carlan Instruments Co 1375 Park Ave Cranston 9 R I
CARLISLE CORP MOLDED MATERIALS DIV 20225 Mack Ave Detroit 36 Mich
Carlisle Machine Works Box 8 Longview Texas
Carlisle Tire & Rubber Div Carlisle Corp 620 N College St Carlisle Pa
Car-Mon Products Co 1541 Devon St Chicago 26 Ill
Carlson Products Inc 5309 N 24th St Omaha 10 Neb
Carnegie Body 6115 Carnegie Ave Cleveland 3 Ohio
Carolina Metal Products Inc 2222 South Blvd Charlotte N C
Carpenter Body Works Inc Mitchell Ind
Carpenter Mfg Co 195 Master Light Bldg Somerville 45 Mass
Carrier Corp Carrier Parkway Syracuse 1 N Y
Carston Mfg Co 46 N 2nd St Mt Vernon N Y
Carter Carburetor Div of A C F Industries Inc 2840 N Spring Ave St Louis 7 Mo
Carter Co George R 630 Lycaste Ave Detroit 14 Mich
Carter Parts 3401 W Madison St Skokie Ill
Cartriseal Corp 3515 W Touhy Ave Lincolnwood Ill
Casco Products Corp 512 Hancock Ave Bridgeport 2 Conn
Case Co J I 700 State St Racine Wis
Cass City Carburetor Div Walbro Corp Cass City Mich
Caster Mold & Machine Co 1171 Wooster Rd N Barberton Ohio
Casteroil Products Inc 145 Alexander St Yonkers 2 N Y
Castoleum Corp 145 Alexander St Yonkers New York
Caterpillar Tractor Co Peoria 8 Ill
Cato Trailer Service Co White Horse Rd Greenville S C
CEDAR RAPIDS ENGINEERING CO 902 17th St N E Cedar Rapids 1 Iowa
Cee Bee Chemical Co 9520 E Ceebee Drive Dormey Calif
Celco Corp 60 E 42nd St New York 17 N Y
Cellomatic Battery Corp 300 Delaware Ave Archbald Pa
Cemco Industries Inc 22 Rensch Ave Galion Ohio
Center Line Mfg Co 2418 McCormick St Wichita Kansas
Central Fire Truck Corp P O Box 158 Manchester Mo
Central Tool Co 456 Wellington Ave Cranston 10 R I
Centrifugal Foundry Co 1367 W Sherman Blvd Muskegon Mich
Century-Detroit Century Control Engrg Div 6101 Concord Ave Detroit 11 Mich
CENTURY GAS EQUIPMENT MARVEL SCHEBLER PRODUCTS DIV BORG WARNER CORP 625 Southside Drive Decatur Ohio
Cerlist Diesel Inc 1709 N Church St Burlington N C
Certified Burglar Alarm Systems 1418 W Augusta Blvd Chicago Ill
Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis
Challenge-Cook Bros Equipment Co 3334 San Fernando Rd Los Angeles 65 Calif
Chambers Gasket & Mfg Co 4701 W Rice St Chicago 51 Ill
Chambersburg Engineering Co Derbyshire St Chambersburg Pa
Champ Items Inc 6191 Maple Ave St Louis 14 Mo
Champ Spring Co 2107 Chouteau Ave St Louis Mo
Champion Blower & Forge Co Harrisburg Ave & Charlotte St Lancaster Pa
CHAMPION BRONZE POWDER & PAINT CO 2101 N Elston Ave Chicago 14 Ill
Champion Carriers Inc 65 N Madison St P O Box 2651 Tulsa Okla
Champion Dearment Tool Co Meadville Pa
Champion Laboratories Inc Box 189 West Salem Ill
Champion Pneumatic Machinery Co 825 N Pleasant St Princeton Ill
Champion Products Inc P O Box 291 Stephenville Texas
Champion Sheet Metal Co 2 Squires St Cortland N Y
CHAMPION SPARK PLUG CO 904 Upton Ave Toledo 1 Ohio
Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn
Chatillo & Sons John 85-93 Cliff St New York 38 N Y
Checker Motor Corp 2016 N Pitcher St Kalamazoo Mich
Chelsea Products Inc 21 Buchanan St Chelsea Mich
Chemex Corp 41 Murray St New York 7 N Y
Chemical Prods Corp King Philip Rd East Providence R I
CHEMSTRAND CORP 350 Fifth Ave New York 1 N Y
Chester Hoist Div National Screw & Mfg Co Lisbon Ohio
CHEVROLET MOTOR DIV OF GENERAL MOTORS CORP Detroit 2 Mich
Chicago Dial Indicator Co 180 N Wacker Dr Chicago 6 Ill
Chicago Forging & Mfg Co 2000 Southport Ave Chicago 14 Ill
Chicago Hydraulic Oil Co 371 E 116 St Chicago 28 Ill
Chicago Latrobe 426 W Ontario St Chicago 10 Ill
Chicago Mfg Co 411 N Trumbull Ave Chicago Ill
CHICAGO PNEUMATIC TOOL CO 6 E 44th St New York 17 N Y
CHICAGO RAWHIDE MFG CO 1301 Elston Ave Chicago 22 Ill
Chicago Rivet & Machine Co 9603 W Jackson Blvd Bellwood Ill
Chicago Tool & Kit Mfg Co 230 N Jefferson St Chicago 6 Ill
Chicago Tool & Engrg Co 8383 South Chicago Ave Chicago Ill
Chicago Wheel & Mfg Co 1101 W Monroe St Chicago 7 Ill
Chilton Metal Products Inc 300 Breed St Chilton Wis
Chisholm Moore Hoist Div Columbus McKinnon Chain Corp Fremont Ave Tonawanda N Y
Choldun Mfg Corp 331 East St New Haven Conn
Christie Electric Corp 3410 W 67th St Los Angeles 43 Calif
Chrysler Corp Marine & Industrial Div Detroit 31 Mich
Cinch Mfg Co 1026 S Homan St Chicago 24 Ill
Cincinnati Cleaning & Finishing Machinery Co 317 Hecla St Ironton Ohio
Cincinnati Electrical Tool Co 2699 Madison Rd Cincinnati 8 Ohio
Cincinnati Electrical Tool Co 300 Mt Hope Ave Cincinnati 4 Ohio
Cincinnati Lathe & Tool Co Cincinnati 9 Ohio
Cincinnati Milling Machine Co 4701 Marburg Ave Cinncinnati 9 Ohio
Cincinnati Rubber Mfg Franklin Ave Norwood Cincinnati 12 Ohio
Cincinnati Tool Co 1967 Waverly Ave Cincinnati 12 Ohio
Circle Z RFD No. 2 Pomfret Center Conn
Circo Corp 51 Terminal Ave Clark N J
Cities Service Oil Co 60 Wall Tower New York 5 N Y
Clamps Incorporated 4901 Stickney Ave Toledo 12 Ohio
Clarage Fan Co North & Porter Sts Kalamazoo Mich
Clardy Mfg Co Fort Worth Texas
Clark Co B M Union Maine
CLARK EQUIPMENT CO Buchanan 3 Mich
CLARK EQUIPMENT CO BROWN TRAILER DIV P O Box 410 Michigan City Ind
Clark Equipment Co (Michigan) Construction-Machinery Div Chicago 1 Ill
Clark Equipment Co Industrial Trucks Div Battle Creek 85 Mich
CLARK EQUIPMENT CO TRANSMISSION DIV 1300 Falahee Rd Jackson Mich
Clark Feather Mfg Co 116 W Railroad Ave Fort Morgan Colo
Clarkson Laboratories Inc 950 N Darview St Phila 23 Pa
Clary Corp 408 Junipero San Gabriel Calif
Clayborne Mfg Co 429 N Main St Montecello Inc
Clayson-Lorenz Co 4058 W Chicago Ave Chicago 51 Ill
CLAYTON MFG CO 433 N Temple City Blvd El Monte Calif
Clearing Machine Corp 6499 W 65th St Chicago 38 Ill
Cleco Div of Reed Roller Bit Co 5125 Clinton Dr Houston 1 Texas
Cleereman Machine Tool Corp 600 Elizabeth St Green Bay Wis

Clement Braswell Inc 319 La Bank Bldg Shreveport La
Cless Div of Reed Roller Bit Co 5125 Clinton Dr Houston 1 Texas
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Cleveland Casket & Mfg Co 1602 W 116th St Cleveland 2 Ohio
Cleveland Crane & Engrg Co 5866 E 238th St Wilkliffe Ohio
Cleveland Graphite Bronze Div Clevite Service 6545 Carnegie Ave Cleveland 3 Ohio
Cleveland Hardware & Forging Co 3200 E 79th St Cleveland 4 Ohio
Cleveland Hone & Mfg Co 8816 Harkness Rd Cleveland 6 Ohio
Cleveland Steel Products Corp 16025 Brookpark Rd Cleveland 11 Ohio
Cleveland Steel Tool Co 660 W 82nd St Cleveland Ohio
Cleveland Twist Drill Co 1242 E 49th St Cleveland 14 Ohio
Cleveland Vehicle Co 3949 Lakeside Ave Cleveland 14 Ohio
Cleveland Welding Div American Machine & Fdry Co W 117th St & Berea Rd Cleveland 11 Ohio
Clevite Harris Products Inc Lockwood Rd Milian Ohio
CLEVITE SERVICE DIV CLEVITE CORP 6545 Carnegie Ave Cleveland 3 Ohio
Cliffside Body Corp 230 Laird Ave Cliffside Park N J
Clifton Hydraulic Press Co 289 Alwood Rd Clifton N J
Climatic Air Sales Inc 3030 Canton St Dallas 26 Texas
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Cline Truck Co 3501 Gardner Ave Kansas City 20 Mo
Clinton Engines Corp Maple & Clark Sts Maquoketa Iowa
Clinton Products Co 701 Tecumseh Rd Clinton Mich
Clover Mfg Co 327 Main St Norwalk Conn
Cloyes Gear & Products Inc 17214 Roseland Rd N E Cleveland 12 Ohio
Coachcraft Ltd 9015 Santa Monica Blvd Hollywood 46 Calif
Coats Co 3001 Fifth Ave S Fort Dodge Iowa
Coats Loaders & Stackers Inc 3001 Fifth Ave S Fort Dodge Iowa
Coby Corp Galion Ohio
Cochin Mfg Co 205 E Grand Ave S San Francisco Cal
Cockshutt Farm Equipment Ltd Brantford Canada
Coffing Hoist Div Duff Norton Co 800 Walter St Danville Ill
Cohutta Talc Co P O Drawer 928 Dalton Ga
Coldmaster Div Construction Mach Co 1960 Holden St Waterloo Iowa
Cole Automotive Products Co P O Box 56 Alfred St Sta Detroit 1 Mich
COLE HERSEE CO 20 Old Colony Ave Boston 27 Mass
Coles Cranks Inc Box 924 Joliet Ill
Collinite Chemical Co 1205 Mohawk St Utica 3 N Y
Collins & Associates 4906 Heuwerth Ave Cincinnati 38 Ill
Colmonoy Div Wall Colmonoy Corp 19345 John R St Detroit 3 Mich
Colonial Alloys Co Ridge Ave & Crawford St Philadelphia 29 Pa
Colonial Broach & Machine Co P O Box 37 Harper Station Detroit 13 Mich
Colorgio Products Inc 8321 Allport Ave Whittier Calif.
Colorgio Products Inc 109 N Newlin Ave Whittier Calif
Colton Co Div of Snyder Toll & Engrg Co 8400 E Lafayette St Detroit 7 Mich
Columbia Eng Service Co 173 14th St San Francisco Calif
COLUMBIA GENEVA STEEL DIV 120 Montgomery St San Francisco Calif
Columbian Steel Tank Co 1409 W 12th St Kansas City 7 Mo
Columbian Vise & Mfg Co 9018 Bessemer Ave Cleveland 4 Ohio
Columbus Coated Fabrics Corp 7th & Grant Aves Columbus 16 Ohio
Columbus McKinnon Chain Corp Tonawanda N Y
Columbus Metal Products Inc 1341 Norton Ave Columbus 8 Ohio
Combinator Sales Div Kurland Motors 1144 Broadway Denver 3 Ohio
Comet Automotive Mfg Corp Red Comet Building Littleton Colo
Comet Red Co Inc 138 E Main St Littelton Colo
Comfort Cushion Co 5062 Loraine Ave Detroit 5 Mich
Commercial Body Corp Br-Pass 291 Corp Greenville S C
Commercial Filters Corp 2 Main St Melrose 76 Mass
Commercial Fleet Sales Div 1402 Federal Reserve Bank Bldg Cincinnati 2 Ohio
Commercial Shearing & Stamping Co 1775 Logan Ave Youngstown Ohio
Commercial Solvents Corp 260 Madison Ave New York 17 N Y
Commonwealth Brass Corp 5835 Commonwealth Ave & G T R R Detroit 8 Mich
Communications Co 300 Greco Ave Coral Gables 34 Fla
Conant & Donelson Co Conway Mass
Conco Engineering Works Div of H D Conkey & Co Mendota Ill
Coni Seal Brake Parts Div of Signal Stat Corp 523 Kent Ave Brooklyn N Y
Connecticut Telephone & Electric Co 85 Britannia St Meriden Conn
Consolidated Brass Co Matthews N C
CONSOLIDATED GENERAL PRODUCTS 24-01 Nicholson Rd Houston Texas
Consolidated Metal Products Inc P O Box 63 Elkhart Ind
Consolidated Vacuum Corp 1775 Mt Read Blvd Rochester 3 N Y
Consolidated Water Power 7 Paper Co Ahdawagam Div P O Box 50 Wisconsin Rapids Wis
Continental Battery Co 4919 Woodall St Dallas 7 Texas
Continental Bearing Corp 2515 Wabash Ave Chicago 16 Ill
Continental Diamond Fibre Newark 10 Del
Continental Electric Co 715 Hamilton St Geneva Ill
Continental Felt Co 22 W 15th St New York 11 N Y
Continental Mfg Corp 10411 W Washington Blvd Culver City Calif
CONTINENTAL MOTORS CORP Muskegon 82 Mich
Continental Oil Co Continental Oil Bldg Ponca City Okla
Continental Rubber Works 1937 Liberty Ave Erie Pa
Continental Tapes P O Box 256 Cayce S C
Controls Corp of America Appliance & Automotive Controls Div Schiller Park Ill
Controls Co of America Heating & Air Conditioning Div 2450 N 32nd St Milwaukee 25 Wis
Con-Vel Div Dana Corp 3901 Christopher Ave Detroit 11 Mich
Converto Mfg Co Third & Green Sts Cambridge City Ind
Cook Body Co 2433 Wilkinson Blvd Charlotte 8 N C
Cook Bros Equipment Co 3334 San Fernando Rd Los Angeles 65 Calif
Cooper Bessemer Corp Mount Vernon Ohio
Cooper Co D C 1467 S Michigan Ave Chicago 5 Ill
COOPER TIRE & RUBBER CO Lima & Western Aves Findlay Ohio
Copco Trailers Div Copco Steel Engrg Co 2901 S Main St South Bend Ind
Copeland Gibson Products Corp 12950 Capital Ave Oak Park 37 Mich
Copeland Refrigeration Corp Adams St Sidney Ohio
Copperweld Steel Co Flexo Wire Div 70 W First St Oswego N Y
Corbitt Co Parham St Henderson N C
CORDOMATIC DEPT C 17th & Indiana Philadelphia 32 Pa
Cord Piston Ring Mfg Co 1351 S Olive St Los Angeles 15 Calif
Cornwell Quality Tool Co 200 North Cleveland Ave Mogadore Ohio
Cotta Transmission Co 2340 11th St Rockford Ill
Cox Trailers Inc Grifton N C
Cragin & Wilkins Co 79 Nockege St Fitchburg Mass
Crane Packing Co 6435 Oakton St Morton Grove Ill
Crane Puller Co 11 River St West Newton Mass
Crawford Mfg Co Inc 3rd & Decatur Sts Richmond 12 Va
Crescent Battery & Light Co 818 Camp St New Orleans 12 La
Crescent Co 20 Central Ave Pawtucket R I
Cresci & Son Inc Boulevard & Grape Sts Vineland N J
Crest Mfg Co 22940 Lasher Rd Southfield Mich
Cristy Chemical Corp 37 Harvard St Worcester 2 Mass
Crofton Marine Engrg Co 888 Gull St San Diego 1 Calif
Croname Inc 6201 Howard St Chicago 48 Ill
Crosby Co 183 Pratt St Buffalo N Y
Crosby-Laughlin Div American Hoist & Derrick Co Fort Wayne Ind
Crown Coach Corp 2500 E 12th St Los Angeles 21 Cal
Crown Products Co 5722 S 77th St Ralston Nebr

Product listings begin on page 53

Crown Steel Products Co 1330 N Main St Orrville Ohio
Crucible Steel Co of America 535 Smithfield St Pittsburgh Pa
Crumbliss Mfg Co 3830 N Podlin Drive Franklin Park Ill
Culver Stearns Mfg Co 181 Greenwood St Worcester 7 Mass
Cumberland Battery Mfg Co 201 First Ave S Nashville 3 Tenn
Cummins Chicago Corp 4740 Ravenswood Ave Chicago Ill
CUMMINS ENGINE CO 1000 Fifth St Columbus Ind
Cummins Portable Tools Div John Oster Mfg Co 5055 N Lydell Ave Milwaukee 17 Wis
Cano Engrg Corp 80 S Vine St Meriden Conn
Cupples Co Rubber Div 600 Spruce St St Louis 27 Mo
Curran Corp S Canal St Lawrence Mass
Curtis Automotive Devices Inc Westfield Ind
CURTIS MFG CO PNEUMATIC DIV 1927 Kienlen Ave St Louis 33 Mo
Curtiss Wright Corp Utica Mich (Mercedes Benz)
Curtiss Wright Corp Princeton Div P O Box 110 Princeton N J
Curv-Gards Inc 407 S Dearborn St Chicago 5 Ill
Cushman Motor Works Inc 920 N 21st St Lincoln Neb
Custer Specialty Co 139 Bradford St Dayton 10 Ohio
Cutler Hammer Inc 362 N 12th St Milwaukee 1 Wis
Cutler Metal Products Co 1025 Line St Camden N J
Cuyahoga Spring Co 10252 Berea Rd Cleveland 2 Ohio
CYCLONE FILTER CORP Longmont Colo

D

D E K Mfg Co 420 East Pine St Orrville Ohio
D L Products Inc 47-63 E Market St Buffalo 16 N Y
D-X Sunray Oil Co 907 S Detroit Ave Tulsa 2 Okla
Dacar Chemical Products Co Wabash & McCartney Sts Pittsburgh 20 Pa
Dallas Mfg & Sales Co P O Box 7181 Dallas Texas
DANA CORP STANDARD EQUIPMENT DIV 4100 Bennett Rd Toledo 1 Ohio
Daniel Radiator Mfg Co 5542 Harvey Wilson Dr Houston 20 Texas
Danielson Mfg Co Danielson Conn
Danly Machines Specialties Inc 2100 Laramie Ave Chicago 50 Ill
Danville Metal Stamping Co Inc 17 Oakwood & Dale Sts Danville Ill
Daubert Chemical Co 333 N Michigan Ave Chicago 1 Ill
Davey Compressor Co 600 Franklin Ave Kent Ohio
Davis Boring Tool Div of Gidings & Lewis Machine Tool Co 475 S Seymour St Fond du Lac Wis
Davis-Howland Oil Corp 333 South Ave Rochester 20 N Y
Daybrook Hydraulic Div of L A Young Spring & Wire Corp Bowling Green Ohio
Day & Co James B 1872 Clybourn Ave Chicago 14 Ill
DAYCO CORP TIRE DIV Dayton 1 Ohio
Dayton Air Compressor Co 427 Valley St Dayton 4 Ohio
DAYTON AUTOMOTIVE PRODUCTS CO DIV DAYTON STEEL FOUNDRY CO 1366 Miami Chapel Rd Dayton 1 Ohio
DAYTON INDUSTRIAL PRODUCTS CO DIV OF THE DAYTON RUBBER CO 2001 N Janice Ave Melrose Park Ill
Dayton Malleable Iron Co Reliable Jack Div 1401 W 2nd St Dayton 1 Ohio
Dayton Pump & Mfg Co 500 N Webster St Dayton Ohio
DAYTON STEEL FOUNDRY P O Box 1022 1366 Miami Chapel Rd Dayton 1 Ohio
Dayton Tandem Mfg Co Box 2671 Denver Colo
Decker Co Richard M 919 N Michigan Ave Chicago Ill
Decora Mfg Co 1516 Park Ave Emeryville 8 Calif
Deere & Co 3300 River Drive Moline Ill
Defrosto Mirrors Inc 11298 S Alameda St Lynwood Calif
De Hart & Son H A Crown Pt Rd Thorofare N J
DeKalb Commercial Body Co W 229 Garden St DeKalb Ill
De Koven Mfg Co 1201 Michigan Blvd Racine Wis
Delaware Tool Steel Corp 3300 Market St Wilmington 99 Del
Delbar Products Inc 7th & Spruce Sts Perkasie Pa
Del City Wire Co 908 S W 5th St Oklahoma City Okla

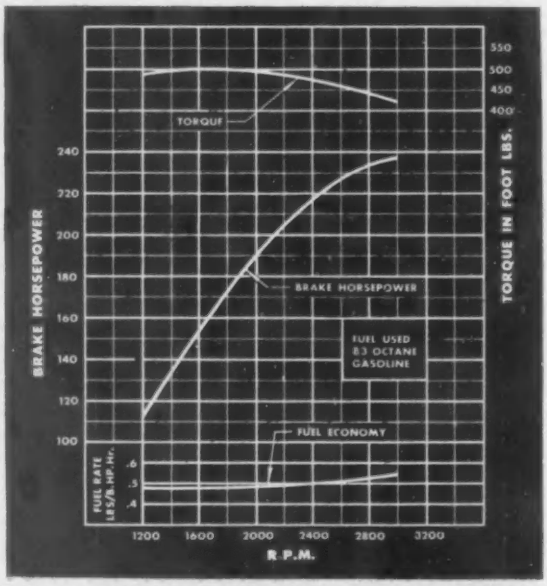
ROILINE V8 for FAST TRANSPORT

Model H570

ADVANCED V-8 DESIGN
238 MAXIMUM HP.
570 CU. IN. DISPL.
QUICK ACCELERATION
GOOD FUEL ECONOMY
LOW MAINTENANCE COST

THE ROILINE H570 is a compact, high compression, overhead valve engine with the added advantages of extra speed and power. Designed to give plenty of pick-up for passing on the open highway, this flexible V-8 power package has the reserve for hill climbing, too. The short stroke design of this engine means slower piston speeds, with a consequent reduction in engine friction, even at high engine speeds. The box-like construction of the crankcase adds extra rigidity and bearing support to the crankshaft. The sturdy forged-steel crankshaft is short, due to V-8 compactness, with large diameter, wide surface bearing areas. The result is smooth operation with the least amount of vibration. Water cooled exhaust manifolds are standard on all H570 models. The combination of V-8 design, sturdy, compact construction, and quick acceleration makes the ROILINE H570 engine a top performer for fast transport power.

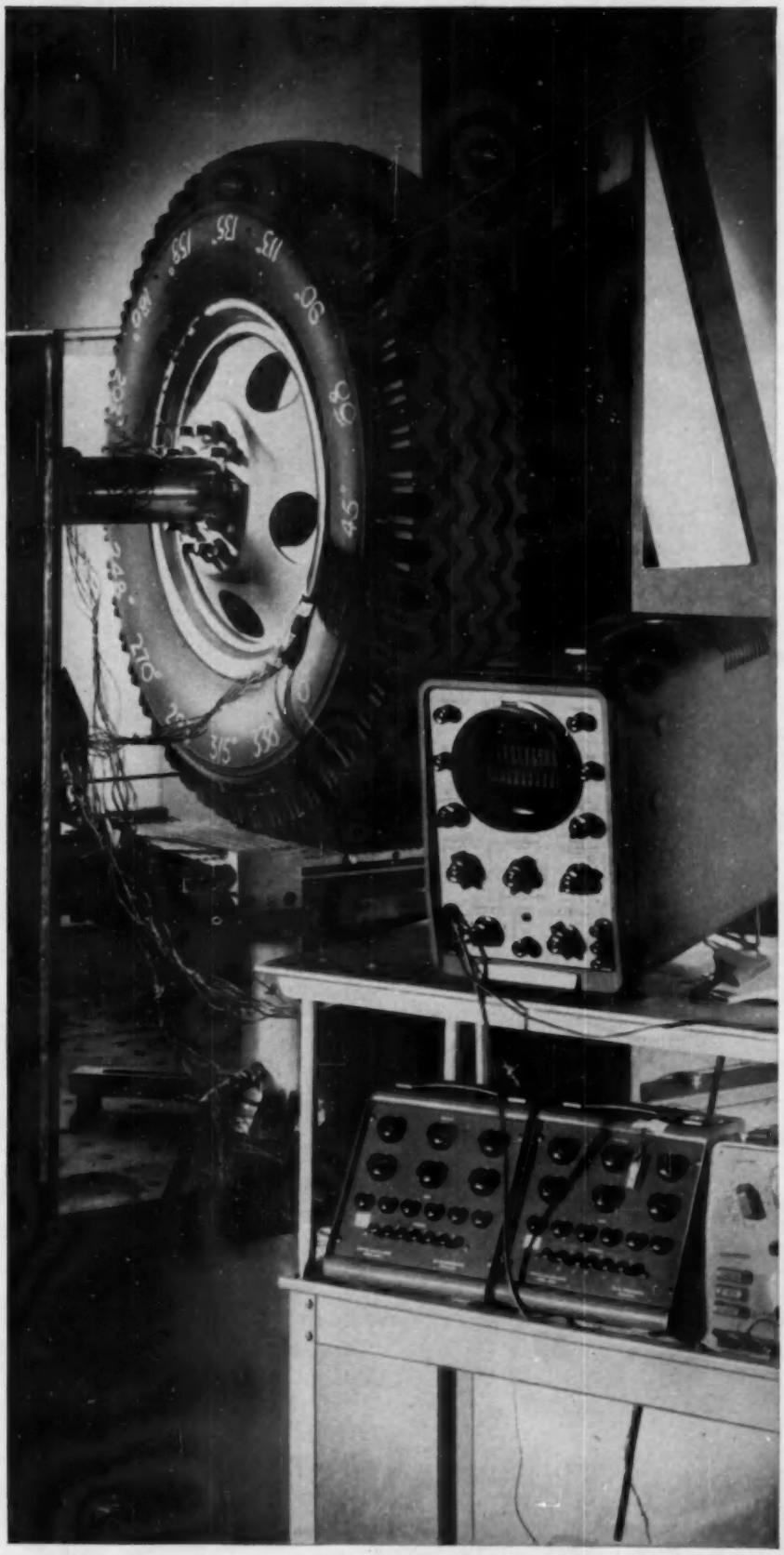
467



Performance of H570 engine without accessories. Continuous full load should not exceed 80%; intermittent, 90% of hp shown. Ratings conform to I.C.E.I. standards. Governors set for 2850 rpm idle and 2600 rpm full load. Consult Waukesha Motor Company for speeds for your service.

WAUKESHA MOTOR COMPANY, WAUKESHA, WISCONSIN
New York • Tulsa • Los Angeles / **Factories: Waukesha, Wisconsin and Clinton, Iowa**

● More details? Circle 226 on reply card inside back cover



proved industry's safest most dependable truck wheel

Kelsey-Hayes advanced three-piece wheel with tubular side ring and cold-drawn lock ring has no equal. Comparative stress analysis, destructive tests and millions of ton miles on the road prove it!

A basic reason for this superiority is great strength derived from highest property carbon steels, greatly enhanced by cold working in our highly specialized facilities ... the most modern in the industry. Kelsey-Hayes Company, General Offices: Detroit, Michigan.

KELSEY HAYES COMPANY

World's largest producer of automotive wheels!

18 PLANTS: Detroit and Jackson, Michigan; Los Angeles; Philadelphia and McKeesport Pennsylvania; Springfield, Ohio; New Hartford and Utica, New York; Davenport, Iowa; Windsor, Ontario, Canada.

KH

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DELCO TO FORSTON

Delco Appliance Div General Motors Corp P O 230 Rochester 1 N Y
Delco Machine Div General Motors Corp 1420 Wisconsin Blvd Dayton 1 Ohio
DELCO MORAINE DIV GENERAL MOTORS CORP Dayton Ohio
Delco Products Div General Motors Corp 329 E First St Dayton Ohio
DELCO REMY DIV GENERAL MOTORS CORP 2401 Columbus Ave Anderson Ind
Delphi Body Works 311 S Washington St Delphi Ind
Delta Chemical Co 2885 Warford Pl Memphis 1 Tenn
Delta Electric Co 33rd & Nebraska Sts Marion Ind
Delta Tank Mfg Co P O Box 1469 Baton Rouge La
DeLuxe Metal Furniture Co Struthers St Warren Pa
DeLuxe Products Corp 1201 Michigan Blvd Racine Wis
Demp-Nock Co The 21433 Mound near Toepfer Warren Mich
Dempster Bros Inc Box 3127 Knoxville Tenn
Denis Mfg Co 46 Alvin St Springfield 4 Mass
Denison Engineering Div American Brake Shoe Co 1160 Dublin Rd Columbus Ohio
Dennis Chemical Co 2701 Papin St St Louis 3 Mo
Detecto Scales Inc Div Jacobs Bros Co 540 Park Ave Brooklyn N Y
Detrex Chemical Industries Inc Box 501 Detroit 32 Mich
Detroit Aluminum & Brass Corp 3975 Christopher Ave Detroit 11 Mich
DETROIT AUTOMOTIVE PRODUCTS CORP 8701 Grinnell Ave Detroit 13 Mich
Detroit Bevel Gear Co 834 N Seventh St Minneapolis 11 Minn
Detroit Boring Bar Co 321 W Ten Mile Rd Hazel Park Mich
Detroit Broach Co 950 S Rochester Rd Rochester Mich
Detroit Control Div American Standard Corp 5900 Trumball Ave Detroit 8 Mich
Detroit Cover Co 3410 W Fort St Detroit 16 Mich
DETROIT DIESEL ENGINE DIV GENERAL MOTORS CORP 13400 W Outer Dr Detroit 28 Mich
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich
Detroit Gear Div Borg Warner Corp 12345 Kercheval Ave Detroit 14 Mich
Detroit Hoist & Machine Co 8216 Morrow St Detroit 11 Mich
Detroit Master Products Co 16490 Woodward Ave Detroit 3 Mich
Detroit Products Co 301 W El Segundo Blvd El Segundo Calif
Detroit Stamping Co 357 Midland Ave Detroit 3 Mich
Detroit Steel Corp P O Box 4308 Detroit 9 Mich
Detroit Steel Products Co Div of Fenestra Inc 6000 Caniff Ave Detroit 12 Mich
Detroit Surfacing Machine Co 1333 E Eight Mile Rd Detroit 20 Mich
Detroit Trailer Co 481 Beaufait St Detroit 7 Mich
Detroit Transmission Div General Motors Corp Willow Run Mich
Detroit Universal Div Chrysler Corp 6455 Kingsley Ave Dearborn Mich
Devcon Corp Endicott St Danvers Mass
DE VILBISS CO 300 Phillips Ave Toledo 1 Ohio
DeVilbiss Metal Fabricators Co 5741 Russell St Detroit 11 Mich
Dewey & Almy Chemical Co 62 Whittemore Ave Cambridge 40 Mass
Diamond Chain Co 402 Kentucky Ave Indianapolis 7 Ind
DIAMOND T MOTOR TRUCK CO 4401 W 26th St Chicago 23 Ill
Diamond U Products 8459 Dearborn Ave South Gate Calif
Dick Co R & J Totowa N J
Dico Co 200 S W 16th St Des Moines 5 Iowa
Diehl & Sons Inc 129 Atlantic Ave Richmond Hills 18 N Y
Diener Mfg Co Geo W 400 Monticello Ave Chicago 24 Ill
Diesel Control Corp 228 N Marine Ave Wilmington Calif
Diesel Energy Corp 143 Liberty St New York 6 N Y
Diesel Equipment Div General Motors Corp 2100 Burlingame Ave S W Grand Rapids 2 Mich
DIETZ CO R E 225 Wilkinson St Syracuse 1 N Y
Differential Co Box 238 Findlay Ohio
Differential Dual Wheel Div Anderson Bolling Mfg Co Grand Haven Mich
DILL MFG CO 700 E 82nd St Cleveland 3 Ohio
Dillon & Co W C 14620 Keswick St Van Nuys Calif
Dittmer Gear Div Borg-Warner Corp Auburn Ind
Dittmer Gear Mfg Corp 193 Grand St Lockport N Y
DITZLER COLOR DIV PITTSBURGH PLATE GLASS CO 8000 W Chicago Ave Detroit 4 Mich
DIVCO TRUCK DIV DIVCO WAYNE CORP 22000 Hoover Rd Detroit 5 Mich

DIVCO
originator of the
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delivery truck
See Pages 286-287 for distributor
in your area
DIVCO TRUCK DIVISION
Divco-Wayne Corporation
DETROIT 5, MICHIGAN

Diversey Corp 212 W Monroe St Chicago Ill
Division Lead Co 7742 W 61st Place Summit Ill
Dixie Jibo Co 2004 Mullanphy St St Louis 6 Mo
Dixie Tallyho Inc Fairburn Ga
Dixon Automatic Tool Inc 2300 23rd Ave Rockford Ill
Dixon Inc William 32 E Kinney St Newark N J
Dixon Crucible Co Joseph Manmouth & Wayne Sts Jersey City 3 N J
D'Nomlart Inc 100 Maple St Ashburnham Mass
Do All 254 N Laurel Ave Des Plaines Ill
Doan Mfg Div of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio
DODGE DIV CHRYSLER CORP 7900 Joseph Campau Ave Detroit 31 Mich
Dodge Mfg Corp 500 Main St Mishawaka Ind
Doering Mfg Corp Al 99 Seacrest Ave Eltingville S I 12 N Y
Doerr Electric Corp 510 N Fourth Ave Cedarburg Wis
Dole Refrigerating Co 5962 N Pulaski Rd Chicago 46 Ill
Dole Valve Co 6201 Oakton St Morton Grove Ill
Dolin Metal Products Co 315 Lexington Ave Brooklyn 16 N Y
Dollinger Corp 20 Center Park Rochester 8 N Y
Dolphin Paint & Varnish Co 922 Locust St Toledo 3 Ohio
Donaldson Co Inc 666 Pelham Blvd St Paul 14 Minn
DO-RAY LAMP CO INC 1458 S Michigan Ave Chicago 5 Ill
DORMAN PRODUCTS INC 5757 Mariemont Ave Cincinnati 27 Ohio
DORSEY TRAILERS INC Elba Ala
Double Seal Ring Co 2065 Montgomery St Ft Worth Texas
Douglas Battery Mfg Co Winston Salem N C
Douglas & Lomason Co 5836 Lincoln Ave Detroit 8 Mich
Douglas Mfg Div Kingston Products Co Railroad St Bronson Mich
Douglass Motors Inc 1234 N 62nd St Milwaukee 13 Wis
Douglass Muffler Mfg Corp 5636 Shull St Bell Gardens Calif
Douglas Tool Co 5251 Pattison Ave St Louis 10 Mo
Dow Mechanical Corp Thompsonville Calif
Dowingtown Iron Works Inc Wallace Ave Downingtown Pa
Doyle Electro Products Co 725 Bond Ave N E Grand Rapids 2 Mich
Doyle Electro Products Co 445 E 189th St New York 58 N Y
Draw-Tite Co Belleville Mich
Drew & Co E T Automotive Chemicals Div 15 E 26th St New York 10 N Y
Drillmation Co 6500 E 11 Mile Rd Center Line Mich
Druge Bros Mfg 888 92nd Ave Oakland 3 Calif
Drying Systems Inc 1810½ Foster Ave Chicago 40 Ill
Dualmatic Products Co P O Box 419 Longmont Colo
DU BOIS CHEMICALS INC Broadway at Seventh Cincinnati 2 Ohio
Du Bois Co 1120 W Front St Cincinnati 3 Ohio
Duff-Norton Co 2709 Peble Ave N S Pittsburgh Pa
Du Mont Laboratories Inc Allen B 750 Bloomfield Ave Clifton N J
Dumore Co 1300 17th St Racine Wis
Duncan Co W H 1186 Union St Brooklyn 25 N Y
Dunlop Tire & Rubber Corp Sheridan Drive & River Rd Buffalo 5 N Y
Dunton C M W 7 Goff St Providence 3 R I
Duplex Div Warner & Swasey Co Hazel St Lansing 4 Mich
Duplex Mfg Co Waterloo Neb
Dupli Color Products 2440 S Michigan Ave Chicago 15 Ill
Du PONT de NEMOURS & CO E I FINISHES DIV Chemical Specialties Sales Wilmington 98 Del
du Pont de Nemours & Co E I Electrochemical Dept Wilmington 98 Del
du Pont de Nemours & Co E I Fabric Div Fairfield Conn
Du PONT de NEMOURS & CO E I FINISHES DIV REFINISH SALES Wilmington 98 Del
du Pont de Nemours & Co E I Grasselli Chemical Dept du Pont Bldg Wilmington 98 Del
du Pont de Nemours & Co E I Polychemical Dept Zerone & Zerex antifreeze sales section Wilmington 98 Del
Du PONT de NEMOURS & CO E I TEXTILE FIBERS DEPT Wilmington 98 Del
Durable Mat Co 75 N Pleasant St Norwalk Ohio
Dura Bond Bearing Co 3201 Ash St Palo Alto Calif
Dura Bond Engine Parts Co 3201 Ash St Box 85 Station A Palo Alto Calif
Dura Co Paris Products Div Paris Ky
Dura Div Detroit Harvester Co 4500 Detroit Ave Toledo Ohio
Durbin Durco Inc 1435 Woodson Rd St Louis 14 Mo
Durkee Atwood Co 215 Seventh St N E Minneapolis 13 Minn
Duro Metal Parts Co 2649 N Kildare Ave Chicago 39 Ill
Duroyd Gasket & Die Mfg Co 1828 Amsterdam Ave New York N Y
Dutro Company P O Box 8062 Oakland 8 Calif
Dutton Lainson Co Mfg Div Hastings Nebr
Dynatron Corp 2545 N W 75th St Miami Fla
Dynex Inc 777 Dynex Dr Pewaukee Wis
Dzus Fastener Corp 125 Union St West Islip N Y

E

ETC Inc 990 E 67th St Cleveland 3 Ohio
Eagle Electric Mfg Co 23-10 Bridge Plaza South Long Island City 1 N Y
Eagle Lock & Screw Co S Main St Terryville Conn
Eagle Mfg Co Appleton Wis
Eagle Picher Co American Bldg Central Parkway Cincinnati 1 Ohio
East Akron Tarpaulin Co 1048 Bank St Akron 5 Ohio
Eastern Industries Inc 100 Skiff St Hamden Conn
Eastern Malleable Iron Co 112 Bridge St Naugatuck Conn
Eastern Stainless Steel Corp P O Box 1975 Baltimore 3 Md
Eastman Kodak Co 343 State St Rochester 4 N Y
Easton Car & Construction Co Liberty & Holly Sts Easton Pa
East Penn Mfg Co Lyons Station Pa
Eaton Mfg Co 739 E 40th St Cleveland 10 Ohio
Eaton Mfg Co Automotive Gear Div S Eighth & C Sts Richmond Ind
EATON MFG CO AXLE DIV 739 E 140th St Cleveland 10 Ohio
Eaton Mfg Co Dynamatic Div 3122 14th Ave Kenosha Wis
Eaton Mfg Co Heater Div E 65th St & Central Ave Cleveland 4 Ohio
Eaton Mfg Co Pump Div 9635 French Rd Detroit Mich
Eaton Mfg Co Reliance Div 25 Charles Ave S E Massillon Ohio
Eaton Mfg Co Saginaw Div 1000 Rust St Saginaw Mich
Eaton Mfg Co Spring Div 9771 French Rd Detroit Mich
Eaton Mfg Co Stamping Div 17877 St Claire Ave Cleveland 10 Ohio
EATON MFG CO VALVE DIV 20th St Battle Creek Mich
Eaton Metal Products Corp 13th St & Willis Ave Omaha 2 Nebr
EBERHARD MFG CO DIV EASTERN MALLEABLE IRON CO 2734 Tennyson Rd Cleveland 4 Ohio

Echart-Trailock Div Otto Industries 931 Lehigh Ave Union N J
ECHLIN MFG CO P O Box 472 Branford Conn
Eclipse Fuel Engineering Co 1111 Buchanan St Rockford Ill
ECLIPSE MACHINE DIV BENDIX AVIATION CORP Elmira N Y
Econite Miracle Products Inc 207 W Main St Morganfield Ky
Economy Engineering Co 4511 W Lake St Chicago 24 Ill
Edelbrook Equipment Co 4921 W Jefferson Blvd Los Angeles 16 Calif
Edelmann & Co E 2332 Logan Blvd Chicago 47 Ill
Edwards Equip Co 4312 Main St Yakima Wash
Efficient Instrument Corp 613 West 46th St New York N Y
EGAN MFG CO H B P O Box 1406 Muskogee Okla
Eidal Mfg Co 250 Woodward Rd S E Albuquerque N M
Eight Point Trailer Co 6100 E Washington Blvd Los Angeles 22 Calif
Eimco Corp 634-666 S Fourth West St Salt Lake City 10 Utah
EIS AUTOMOTIVE CORP Middletown Conn
Elastic Stop Nut Corp of America 2330 Vauxhall Rd Union N J
Elco Lubricant Corp The Jenning Rd & Denison Ave Cleveland 9 Ohio
Elder Trailer & Body Inc 4830 Race St Denver 16 Colo
ELECTRIC AUTOLITE CO P O Box 931 Toledo 1 Ohio
Electric Autopulse Div Walbro Corp 6240 Garfield St Cass City Mich
Electric Hose & Rubber Co 12th & Dure Sts Wilmington Del
Electric Products Co 1725 Clarkstone Rd Cleveland 12 Ohio
Electric Service Mfg Co 17th & Cambria Sts Philadelphia 32 Pa
Electric Service Systems Inc 1330 Quincy St N E Minneapolis 13 Minn
Electric Sprayit Div Thomas Industries Inc 14th & Illinois Sts Sheboygan Wis
Electric Wheel Div of Firestone Tire & Rubber Co 1120 N 28th St Quincy Ill
Electro Lift Inc 204 Sergeant Ave Clifton N J
Electro Mechanical Products Co 32700 Ford Rd Garden City Mich
Electro Products Co 445 E 189th St New York 58 N Y
Electroline Mfg Co 2622 E 51st St Cleveland 4 Ohio
Electro-Refiner Corp 6251 W Touhy Avenue Chicago 48 Ill
ELECTRONICS INC 512 Cherry St Vermillion S D
Elgin Machine Works Inc 412 N State St Elgin Ill
Elgin Sweeper Co Elgin Ill
Elkay Products Co 35 Brown Ave Springfield N J
Elkhart Brass Mfg Co 1302 W Beardsley Ave Elkhart Ind
Elkhart Welding & Boiler Works Inc 2132 S Main Elkhart Ind
Ellis & Watts Products Co P O Box 33 Cincinnati 36 Ohio
Elmes Engrg Div American Steel Foundries 1163 Tennessee Ave Cincinnati 29 Ohio
ELSTON CO Rue R 2223-C 15th Ave Minneapolis 4 Minn
Elwell Parker Electric Co 4205 St Claire Ave Cleveland 3 Ohio
Emarco Corp Far Hills Station Dayton 9 Ohio
Emerol Mfg Co 331 N Main St Port Chester N Y
Emerson Electric Mfg Co 8100 Florissant Ave Detroit 21 Mich
Emglo Products Corp 116 DuPont St Johnstown Pa
Empire Electronics Inc 304 Mt Pleasant Ave Newark N J
Enell Associates Inc 9701 Clinton Rd Cleveland 9 Ohio
Engine Accessories Mfg Co 5801 E Beverly Blvd Los Angeles 22 Calif
ENGLER INSTRUMENT CO 250 Culver Ave Jersey City 5 N J
Engwald Corp 357 Lafayette Ave Brooklyn 38 N Y
ENJAY CHEMICAL CO DIV HUMBLE OIL & REFINING CO 15 W 51st New York 19 N Y
ENSIGN CARBURETOR DIV AMERICAN BOSCH ARMA CORP 1551 E Orangethorpe Ave Fullerton Calif
Ensign Products Co 3528 E 76th St Cleveland 5 Ohio
Envir Mfg Co 1705 Lincoln St Evanston Ill
Equipment Mfg Co 21550 Hoover Rd Detroit 5 Mich
Equipto Div of Aurora Equipment Co 401 South Highland Ave Aurora Ill
Era Tool & Engineering Co 9240 Belmont Ave Franklin Park Ill
Erickson Power Lift Trucks Inc Anthony Blvd & University Ave N E Minneapolis 18 Minn
Erie Foundry Co 1253 W 12th Erie Pa
ERIE MALLEABLE IRON CO AUTOMOTIVE WHEEL DIV 609 W 12th St Erie Pa
Erie Meter Systems Inc 1602 Wagner Ave Erie Pa
Ertel Mfg Co 2045 Martindale Ave Indianapolis 7 Ind
Ertel Products Co Repl Div of Ertel Mfg Corp 1402 E 20th St Indianapolis Ind
Esbelman Co Cheston L 109 Light St Baltimore 2 Md
Esies Mfg Co 42 Magnet Drive Erie Pa
Essex Wire Corp 1601 Wall St Fort Wayne 6 Ind
ESSO STANDARD DIV HUMBLE REFINING CO 15 W 51st St New York 19 N Y
Ethyl Corp 100 Park Ave New York 17 N Y
Etnyre & Company Oregon Ill
Euclid Div General Motors Corp 1361 Chardon Rd Cleveland 17 Ohio
Eureka Co 312 W First St Rock Falls Ill
Eutectic Welding Alloys Corp 40-40 172nd St Flushing 58 N Y
Evans Mfg Co John Sumter S C
EVANS PRODUCTS CO HEATING AND VENTILATING DIV 13101 Eckles Rd Plymouth Mich
Evans Reamer & Machine Co New Lexington Ohio
Everard Tap & Die Corp 215 E 144th St New York 51 N Y
Ever Guard Automatic Burglar Alarm Co Inc 404 W 53rd St New York N Y
EVERHOT MFG CO 57 S 19th Ave Maywood Ill
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill
Exact Weight Scale Co 540 E Town St Columbus Ohio
Excel Corp 1120 N Main St Elkhart Ind
Excello Accessories Mfrs Inc 81 Madison Ave Hempstead N Y
Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich
Excello Specialty Co 4111 E 100 St Cleveland 5 Ohio
Excelsior Pimtruck Co 796 Atlantic St Stamford Conn
Excelsior Leather Washer Mfg Co 720 Chestnut St Rockford Ill
EXIDE AUTOMOTIVE DIV ELECTRIC STORAGE BATTERY CO 246 E 131st St Cleveland 1 Ohio
Exide Industrial Div Electric Storage Battery Co 42 S 15th St Philadelphia 2 Pa
Expello Sales Division 13341 Livernois Ave Detroit 38 Mich

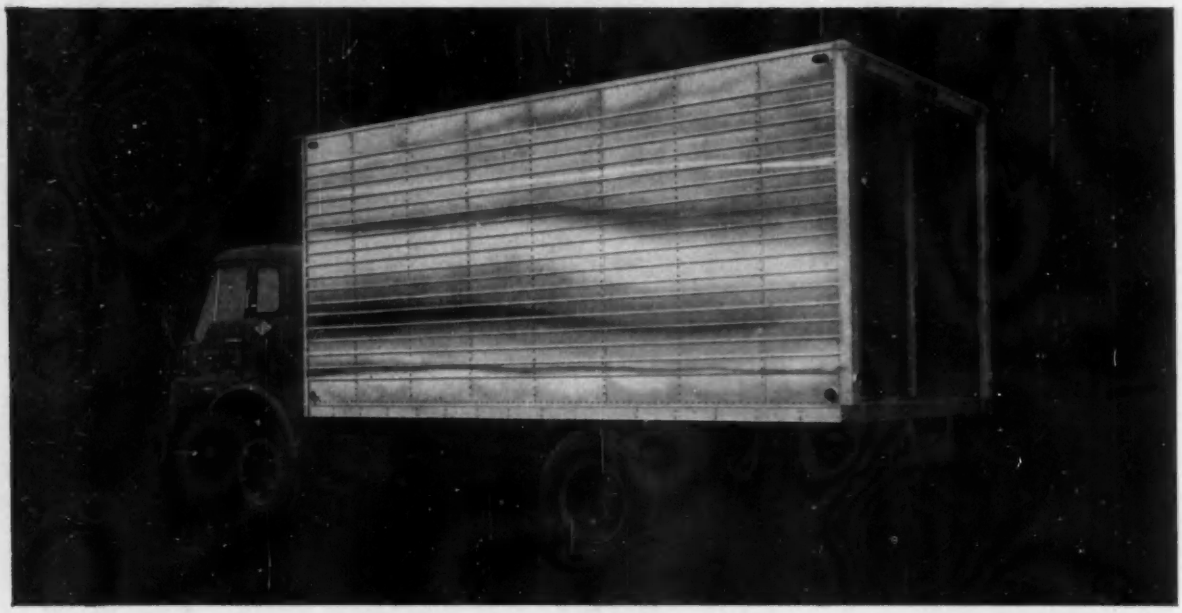
F

F A B Mfg Co 1249 67th St Oakland 8 Calif
F & B MFG CO 4246 W Chicago Ave Chicago 51 Ill
FWD Corp E 12th St Clintonville Wis
Fabric Sales Inc 97 Chestnut St Newark 5 N J
Factory Service Co 4615 N 21st St Milwaukee 9 Wis
Fafnir Bearing Co 37 Booth St New Britain Conn
Fageol Marine Engine Co 888 Gull St San Diego 1 Calif
Fageol Products Co 789 Stow St Kent Ohio
Fairbanks Co 393 Lafayette St New York 3 N Y
Fairbanks Morse & Co 600 S Michigan Ave Chicago 5 Ill
Fairbanks Morse Co Lawton Ave Beloit Wis
Fairfield Mfg Co State Rd #52 Lafayette Ind
Fairmont Aluminum Co Fairmont W Va
Fairmount Foundry Inc Third & Westmoreland St Philadelphia 40 Pa
Fairmount Tool & Forging Inc 10611 Quincy Ave Cleveland 6 Ohio
Falk Corp Box 492 Milwaukee Wis
Faria Company Thomas G 13 Joyce Court Niantic Conn
Farr Co P O Box 90187 Airport Station Los Angeles 45 Calif
Farrell Mfg Co 804 E Cass St Joliet Ill
Fasco Industries Inc 400 Davis St Rochester 2 N Y
Fastex Div of Illinois Tool Works 195 Algonquin Rd Des Plaines Ill
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 11 Ohio
Fayette Mfg Co Box 8 Fayette Ohio
Fe-adco Corp 12345 Schaefer Rd Detroit 27 Mich
Fedders Corp 57 Tonawanda St Buffalo 7 N Y

Product listings begin on page 53

Federal Bearings Co 17 Fairview Ave Poughkeepsie N Y
Federal Industries Div Textron Industries Inc 681 Main St Belleville 9 N J
Federal Laboratories Inc Saltsburg Pa
FEDERAL MOGUL SERVICE DIV OF FEDERAL MOGUL BOWER BEARINGS INC 11031 Shoemaker Rd Detroit 13 Mich
Federal Motor Truck Co 834 N Seventh St Minneapolis 11 Minn
Federal Products Corp 1144 Eddy St Providence R I
Federal Sign & Signal Corp 136th & Western Ave Blue Island Ill
Federated Metals Div American Smelting & Refining Co 120 Broadway New York 5 N Y
Feigelson Co Alex 500 S Fourth St Beaumont Texas
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill
Fenton Industries 5105 San Fernando Rd W Los Angeles 39 Calif
Ferro Stamping Co 1367 Franklin St Detroit 7 Mich
Ferry Mfg Co 3116 Spring Garden St Philadelphia 4 Pa
Fibreboard Paper Products Corp 475 Brannan St San Francisco 19 Calif
Fibre Glass Evercoat Co Inc 7220 Vine St Cincinnati 16 Ohio
Filtors Inc 30 Sagamore Hill Dr Port Washington L I N Y
Fine Organics Inc 211 E 19th St New York 3 N Y
Fine Organics Inc Industrial Maintenance Div 205 Main St Lodi N J
Finnesey Body Co 811 W Taney St Philadelphia 30 Pa
Fire-Killer Mfg Co 107 N Franklin St Syracuse 1 N Y
FIRESTONE INDUSTRIAL PRODUCTS CO Noblesville Ind
Firestone Rubber & Latex Products Co Fall River Mass
FIRESTONE STEEL PRODUCTS CO DIV FIRESTONE TIRE & RUBBER CO Akron 1 Ohio
FIRESTONE TIRE & RUBBER CO 1200 Firestone Parkway Akron 17 Ohio
Fischer Industries Inc Paddock Rd & N & W R R Cincinnati 29 Ohio
Fisher & Porter Co 700 Warminster Rd Hatboro Pa
Fisher Products Corp A R 21-24 44th Drive Long Island City 1 N Y
Fisk Tire Co Div U S Rubber Co 1230 Ave of the Americas New York 20 N Y
FITZGERALD MFG CO 691 Main St Torrington Conn
Five Star Mfg Co Box 149 Clarksdale Miss
FLEET FORMS INC P O Box 147 Chardon Ohio
Flexible-Air Seat Corp 719 W 11 St Los Angeles 15 Calif
Flexible Tubing Corp Guilford Conn
Flexico Products Inc 12 Factory St Metuchin N J
Flexmaster Div Custom Bilt Body Inc Hamburg N Y
Flexonics Corp Automotive Div 1396 S Third St Memphis Tenn
Flexrock Co Packing Div 36th & Filbert Sts Philadelphia 4 Pa
Flex-Temp Div General Equipment Mfg & Sales Inc 1348 Stadium Drive Indianapolis Ind
Flink Co 502 N Vermillion St Streator Ill
Flint Corp 1323 N Water St Milwaukee 2 Wis
Flintkote Co 30 Rockefeller Plaza New York 20 N Y
Floridin Co P O Box 989 Tallahassee Fla
Flour City Brush Co 1501 Fifth Ave South Minneapolis 4 Minn
Flower City Specialty Co 158 Hollenbeck St Rochester 21 N Y
Fluid Controls Inc Box 186 Mentor Ohio
Flxible Co 326 N Walter St Loudonville Ohio
Focowil Corp 79 W Monroe St Chicago 3 Ill
FONTAINE TRUCK EQUIPMENT CO 1232 N 37th Pl Birmingham Ala
Foote Axle & Forge Co 3954 Whiteside St Los Angeles 63 Calif
Forbes Finishes Div Pittsburgh Plate Glass Co 3800 W 143rd St Cleveland 11 Ohio
FORD DIV FLEET SALES Dept P O Box 658 Dearborn Mich
FORD DIV FORD MOTOR CO American Road Dearborn Mich
Ford Motor Co Central Office Bldg American Rd Dearborn Mich
Ford Motor Co Tractor & Implement Div Birmingham Mich
FORKLIFT PARTS MFG CO 3312 E Olympic Blvd Los Angeles 23 Calif
Formed Tubes Inc S Prarie & Albert Sts Sturgis Mich
Forney Mfg Co 1820 Laporte Ave Fort Collins Colo
Forsberg Mfg Co 125 Sea View Ave Bridgeport Conn
Forston Co 2117 Judiway Houston 18 Texas

NOW
LYN BRIGHT ALUMINUM IN 45 STANDARD BODY KITS



Whether you haul apparel, heavy castings, beverages, or general cargo, LYN makes a standard body kit for you. Specify the body style you want in **BEADED PANEL, OUTSIDE POST, SMOOTH SKIN, all at one low price.**

5 width and height combinations
9 body lengths

Narrow Standard	91" wide x 76½" high
Narrow Extra High	91" wide x 84" high
Wide Standard	96" wide x 76½" high
Wide Extra High	96" wide x 84" high
Wide Extra Extra High	96" wide x 90" high

Body Lengths (outside measurements):
9', 12', 14', 15', 16', 18', 20', 22', 24'

Standard Body Kits include:
1 street side section, 1 curbside section, 1 front section, 1 rear frame section, each assembled; 1 roof section, assembled with roof caps riveted in place; clearance lights and reflectors to comply with ICC regulations. Just 5 subassemblies, 2 sides, 2 ends and roof delivered with all parts factory-drilled and squared; all jig work complete. Rear frame section comes fully assembled.

Plus engineered optional accessories designed to "custom-fit" LYN standard bodies to almost any cargo requirement. Full rear doors, single or double narrow rear doors, side doors, overhead doors, wheel house kits. What's more, if you have unusual requirements, LYN engineers can design and build body kits for special cargo or loading applications.

For more information on LYN Aluminum Truck Bodies, contact your local LYN dealer, or write:

LYNCOACH AND TRUCK CO., INC., ONEONTA, N.Y.

LYNCOACH & TRUCK CO., INC.
Dept. C
Oneonta, N. Y.

● More details? Circle 228 on reply card inside back cover

HERE'S WHY RAMCO MEANS OIL GROOVE SUCCESS

join the legion of modern fleet men who put

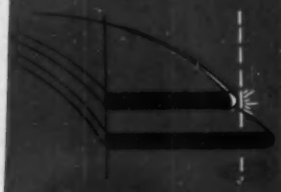
RAMCO *MODERN POWER* SUCCESS

in every ring job—for less down time,
less fuel costs—more ton-mile profit!

"POSITIVE SIDE-OF-GROOVE SEALING"

Self-expanding C-9 backbone gently presses against its own rails, slants them into contact with top and bottom of ring groove. This contact stops oil creep on all piston strokes, regardless of high vacuum operation

"IMMEDIATE SEAT IN"



C-9's narrower rails speed up seating—there's less "bulk" metal to resist wall deformity. Takes 50% less pressure to conform, too. Chrome is lapped in at the factory.

"FINEST CONFORMABILITY"

C-9's backbone is stout, gentle, big-shouldered. A snap to install. Won't overlap in the groove. Provides easy, no-push pressure against rails without shims. Conforms—fits like a glove.

Free—Modern Power Facts Booklet, write:
Ramsey Corporation, Dept. 3, 3693 Forest Park Blvd., St. Louis 8, Missouri.
A subsidiary of Thompson Ramo Wooldridge Inc.

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More details? Circle 229 on reply card inside back cover

FORSYTH TO HUMES

Forsyth Metal Goods Co Elm St East Aurora N Y
Fort Dodge Machine & Supply Co 529 First Ave S Fort Dodge Iowa
Fort Pitt Mfg Co 1501 Preble Ave N S Pittsburg 33 Pa
Fort Steuben Metal Products Co Follansbee W Va
Foster-Built Bunkers Inc 1238 W Harrison St Chicago 7 Ill
Fostoria Pressed Steel N Main St Fostoria Ohio
Fox Body Co 1109 Galena St Janesville Wis
Fox Co 3400 Beckman St Cincinnati 23 Ohio
Fox Co Thomas T Electric & Machine Div 503 McCarter Hwy Newark 2 N J
Fox Engrg Co 1336 Francis St Jackson Mich
Fox Products Co 4720 N 18th St Philadelphia 41 Pa
Fox Valley Instrument Co Route 4 Sheboygan Mich
FRAM CORP Pawtucket Ave Providence 16 R I
FRANK-DEWEY CO 6481 Epworth St Detroit 10 Mich
Frank Foundries Corp 2020 Third Ave Moline Ill
Franklin Body & Equipment Corp 1042 Dean St Brooklyn N Y
Bernard Franklin Co Hedley & Bath Sts Philadelphia 37 Pa
Freedco Products Inc 36-08 33rd St Long Island City 6 N Y
Freedman Co Hyman 4401 N Pulaski Rd Chicago 30 Ill
Freedom-Valvoline Oil Co Freedom Pa
Freeport Machine Works 120 E Main St Freeport Ill
Freightliner Corp 5400 N Basin Ave Portland Ore
French & Hecht Div Kelsey-Hayes Co P O Box 690 Davenport Iowa
Frick-Gallagher Mfg Co 200 W Second St Wellston Ohio
Friden Inc 2350 Washington San Leandro Cal
Frigidaire Div General Motors Corp 300 Taylor St Dayton Ohio
Frigikar Corp 10858 Harry Hines Blvd Dallas 20 Texas
Frigiquip Corp 3724 North May Ave P O Box 7205 Oklahoma City Okla
Frink Sno Plows Inc 205-227 Webb St Clayton N Y
Fromberg Co 8949 Esperson Bldg Houston 2 Texas
Fromberg Co 8949 Reseda Blvd Northridge Calif
Frontier Mfg Co 11200 Harry Hines Bldg Dallas Texas
Frost Paint & Oil Corp 1209 Tyler St N E Minneapolis 13 Minn
Fruehauf Carter Div Fruehauf Trailer Co 2832 Winchester Pike Memphis Tenn
FRUEHAUF TRAILER CO 10940 Harper Ave Detroit 32 Mich
Fuel-X-Corp 248 Esperson Bldg Houston 2 Texas
Fuller Brush Co Industrial Div Fuller Park Hartford 15 Conn
Fuller Co Catasauqua Pa
FULLER MFG CO TRANSMISSION DIV Prouty St Kalamazoo Mich
Fulmer Arthur 260 Monroe Ave Memphis Tenn
Fulton Co 1912 S 82nd Ave Milwaukee 14 Wis
Fulton Sylphon Div Robertshaw Fulton Control Co W Cumberland Ave Knoxville 1 Tenn
Funk Mfg Co 1211 W 12th St Coffeyville Kan
Fyr-Fyter Co 221 Crane St Dayton Ohio

G

G & G Mechanical Co 2701 Decatur St Fort Worth 6 Texas
GMC TRUCK & COACH DIV GENERAL MOTORS CORP 660 South Blvd E Pontiac 11 Mich
G M Co Mfg Inc 13-08 43rd Ave Long Island City L I NY
G & O Mfg Co 138 Winchester Ave New Haven 8 Conn
G & S Mfg Co 2824 E Washington St Phoenix Ariz
Gabriel Co 1148 Euclid Ave Cleveland 15 Ohio
Galion Allsteel Body Co 605 S Market St Galion Ohio
GALLERY OF GIFTS INC 80 Park Ave New York 16 N Y
Gard Products Co 640 Reynolds St Kansas City Kan
Gardner Denver Co S Front St Quincy Ill
Garlock Packing Co 402 Main St Palmyra N Y
Garrett Co George K Torresdale Ave at Talbot St Philadelphia 36 Pa
Garrett Corp AiResearch Industrial Div 9225 S Aviation Blvd Los Angeles 45 Calif
Garrison Mfg Co Inc 4609 E Shelia St East Los Angeles Calif
Garry Laboratories Inc 701 Seneca St Buffalo 10 N Y
Gar Wood Industries Inc Wayne Mich
Gary Steel Products Corp P O Box 449 Lynchburg Va
Gasket Engrg Co 3125 Wyandotte St Kansas City 11 Mo
Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I NY
Gates Engineering Co P O Box 1711 Wilmington 99 Del
GATES RUBBER CO 999 S Broadway Denver 17 Colo
Gatke Corp 228 N LaSalle St Chicago 1 Ill
Gauthier Donat A 7416 Poe Ave Detroit 6 Mich
Gear & Forge Div of Clark Equipment Co Horton & Tyson Sts Jackson Mich
Gear Grinding Machine Co 3901 Christopher Ave Detroit 11 Mich
Gemmer Mfg Co Div Ross Gear & Tool Co 6400 Mt Elliott Ave Detroit 11 Mich
Gem Mfg Co 2535 S State St Chicago 16 Ill
General Armature & Mfg Co Box 370 Lock Haven Pa
General Automotive Specialty Co 10-40 45th Ave Long Island City 1 N Y
General Body Mfg Co 313 W Pennway Kansas City Mo
General Body Sales Co 5838 N Pulaski Rd Chicago 46 Ill
General Cable Corp 420 Lexington Ave New York 17 N Y
General Control Co 801 Allen Ave Glendale 1 Calif
General Dynamics Corp Liquid Carbonic Div 135 S LaSalle St Chicago 3 Ill
General Electric Co Apparatus Sales Div 1 River St Schenectady 5 N Y
General Electric Co Communications Products Dept Lynchburg Va
GENERAL ELECTRIC CO MINIATURE LAMP DEPT Nela Park Cleveland Ohio
General Electric Co Section F-704-60 Schenectady N Y
General Electric Co Wiring Devices Dept 95 Hathaway St Providence 7 R I
General Equipment Div Sterod Mfg Co 442 Frelinghuysen Ave Newark 5 N J
General Fire Extinguisher Corp 6801 Rising Sun Ave Philadelphia 11 Pa
General Fire Truck Co 25631 Little Mack St St Claire Shores Mich
General Logistics Div Aeroquip Corporation 2929 Floyd Street Burbank Calif
General Metals Powder Co 130 Elinor Ave Akron 5 Ohio
General Mfg & Engrg Co 6432 Farnsworth Ave 11 Mich
General Pacific Corp 8740 Washington Blvd Culver City Calif
General Pressed Metal Corp 926 Wolf St Syracuse 8 N Y
General Products Corp 103 N Horton St Jackson Mich
General Radiator Co P O Box 658 Mt Vernon Ill
General Scientific Equipment Co 7516 Limekiln Pike Philadelphia 50 Pa
General Seating Co 220 Main St Topton Pa
General Supply Co 1920 McGee Trafficway Kansas City 8 Mo
GENERAL TIRE & RUBBER CO 1708 Englewood Ave Akron 9 Ohio
Geneva Metal Wheel Co 191 Factory Row Geneva Ohio
Gent-L-Kleen Products Inc 2145 Derry Rd York Pa
Gentry Body & Trailer Co N Fourth St Chickasha Okla
Geometric Tool Co Div of Greenfield Tap & Die Corp Blake & Valley Sts New Haven 15 Conn
George Mfg Co 10 W Harvey St Philadelphia Pa
Gerb Co 181 Canton St Stoughton Mass
Gerin Corp Avon N J
Gerlach Co E A PO Box 133 Eddington Bucks County Pa
Gertenslager Co Wooster Ohio
Giant Mfg Co 12th Ave & S Sixth St Council Bluffs Iowa
Gibson Homans Co 2366 Woodhill Rd Cleveland Ohio
Gichner Iron Works Inc Fred S 1214-24th St N W Washington 7 D C
Giddings & Lewis Machine Tool Co 142 Doty St Fond-du-Lac Wis
Gilbert & Barker Mfg Co Cold Spring Ave West Springfield Mass
Gill Electric Mfg Corp 624 W Citrus Ave Redlands Cal
GILLETT & EATON INC 8th & Doughty Sts Lake City Minn
Gillig Bros 50 El Dorado St PO Box 330 Hayward Calif
Gill Piston Ring Co 2645 S State St Chicago 16 Ill
Gilpak Automotive Products Div of Packer Auto Parts Inc Roselle N J
Gindy Mfg Co Boot Rd & Chestnut St Downingtown Pa
Glass Products Inc 9 W Park Way Pittsburgh 21 Pa
GLEDHILL ROAD MACHINERY CO THE S State Rd Galion Ohio
Glidden Co 900 Union Commerce Bldg Cleveland 14 Ohio
Glisten Co PO Box 281 Hillsdale Mich
Globe Auto Glass Co 2501 S Dearborn St Chicago 16 Ill
GLOBE HOIST CO E Mermaid Lane & Queen St Philadelphia 18 Pa
Globe Rubber Products Corp 3333 N Lawrence St Philadelphia 40 Pa
Globe-Union Inc 900 E Keefe Ave Milwaukee 1 Wis
Goddard & Goddard Co 12280 Burt Rd Detroit 23 Mich
Goerlich's 619 Smith St Toledo 1 Ohio
Gojer Inc Box 991 Akron 9 Ohio
Gold Eagle Products Co 1050 W Kinzie St Chicago 22 Ill
Gonset Division Young Spring & Wire Corp 801 South Main St Burbank Cal
Good-All Electric Mfg Co 112 W First St Ogallala Neb
Goodall-Sanford Inc Reading Div Reading Mass
Goodall-Vinyl Fabrics Inc Reading Mass
Goodison Mfg Co Rochester Mich
B F Goodrich Chemical Co 3135 Euclid Ave Cleveland 15 Ohio
Goodrich Gulf Chemicals Inc 1717 E Ninth St East Ohio Bldg Cleveland 14 Ohio
Goodrich Co B F Sponge Prods Div Howe Ave Shelton Conn
Goodrich Co Tire & Equipment Div 500 S Main St Akron Ohio
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
GOODRICH TIRE CO B F DIV OF B F GOODRICH CO Akron Ohio
Good Roads Machinery Corp Minerva Ohio
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
Gordag Industries Inc 3554 Woodale Ave Minneapolis 16 Minn
Gordon Metal Products Co 115 S Michigan St Plymouth Ind
Goshen Cushion & Body Co N Second St Goshen Ind
GOULD NATIONAL BATTERIES INC First Nat'l Bank Bldg St Paul 1 Minn
Gould-National Batteries Inc Industrial Div 467 Calhoun St Trenton 7 N J
Grace Products Inc P O Box 552 Havertown Pa
Grafe Colloids Corp Grafe Bldg 310 Wilkes Place Sharon Pa
Graham Research Inc 666 22nd Ave N E Minneapolis 18 Minn
Gramm Trailer Corp 425 E O'Connor Ave Lima Ohio
Grand Automotive Prods 2055 N Ruby St Melrose Park Ill
Grant Body Mfg Corp 5900 E Admiral Pl Tulsa Okla
Grant Mfg & Machine Co 90 Sillman Ave Bridgeport 5 Conn
Grant Scott Marlott Battery Div 1112 Industrial Ave Danville Ill
Grant Storage Battery Div Electric Storage Battery Co 226 N Second St Minneapolis Minn
Gravely Tractors Inc Dunbar W Va
GRAY CO 60 11th Ave N E Minneapolis 13 Minn
Graymills Corp 3705 N Lincoln Ave Chicago 13 Ill
Grayson Tool Co 1412 W 2nd St Hastings Neb
Great American Industries Inc Rubatex Div Bedford Va
Great Dane Trailers Inc PO Box 1159 Savannah Ga
Great Lakes Steel Corp Tecumseh Rd Detroit 29 Mich
Greb Co 181 Canton St Stoughton Mass
Green Ball Bearing Co 9518 Cassius Ave Cleveland 5 Ohio
Greenfield Tap & Die Div United Greenfield Corp Sanderson St Greenfield Mass
Green Tweed & Co North Wales Pa
Greer Stop Nut Co 2622 W Flournoy St Chicago 12 Ill
GREY-ROCK DIV OF RAYBESTOS MANHATTAN INC Manheim Pa
Grico Two Axle Drive Co 19840 Eight Mile Road E Redford Station Detroit 19 Mich
GRIFFIN LAMP CO Shelby Miss
Grigg Specialty Tools 8103 Marbrisa Ave Huntington Park Calif
Griswold Mfg Co F T Lancaster Pike Wayne Pa

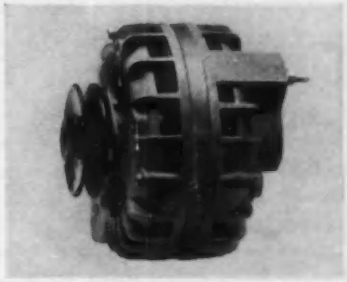
Grizzly Mfg Div MarPro Inc 168 N Michigan Ave Chicago 1 Ill
Groov-Pin Corp 1125 Hendricks Causeway Ridgefield N J
Groove-Rite Tool Co 40300 Grand River Ave Novi Mich
Gross Mfg Co Inc 1711 California Ave Monrovia Calif
GROTE MFG CO State Route 7 Madison Ind Calif
Grover Products Co 1221 S Hope St Los Angeles 15 Calif
Guaranteed Parts Co Inc Auburn Rd Seneca Falls N Y
Guibert Steel Co 4001 Windgap Ave Pittsburgh 4 Pa
GUIDE LAMP DIV GENERAL MOTORS CORP Anderson Ind
GULF OIL CORP P O Box 1166 Pittsburgh 30 Pa
Guletta Co Charles 81-20 Cooper Ave Glendale 27 N Y
GUNITE FOUNDRIES CORP 302 Peoples Ave Rockford Ill
GUNK LABORATORIES INC 630 N Harlem Ave River Forest Ill
Gustin-Beacon Mfg Co 230 W 10th St Kansas City Mo
Gwilliam Co 360 Furman St Brooklyn 1 N Y

H

H H Mfgs 2224 Cerritos Ave Long Beach 6 Cal
H & H Products Mfg Co PO Box 2333 Terminal Annex Los Angeles 54 Cal
H & H Tube & Mfg Co 263 N Foreman St Detroit 17 Mich
Haartz Auto Fabric Co 3 Bridge St Newton 58 Mass
Haartz-Mason Inc 270 Pleasant St Watertown Mass
Haas Battery & Electric Co 505 E Fairchild St Danville Ill
Haberle Engrg & Mfg Co 682 S River St Aurora Ill
Hackney Bros Body Co Goldsboro St Wilson N C
Hackney & Sons J A 400 Hackney Ave Washington D C
Ha Dees Heater Products Huppower Div Hupp Corp 7450 Melville Ave Detroit 17 Mich
Hadley Mfg Co 2221 Albion St Toledo 6 Ohio
Haertel Co Water 2840 Fourth Ave S Minneapolis 8 Minn
The Hahn Co 2311 Fox Hills Drive Los Angeles 64 Calif
Hahn Motors Inc 400 S Third St Hamburg Pa
Hallett Mfg Co Bowcraft St at Lewanee Los Angeles Calif
Hall Products Div C M Hall Lamp Co 1035 E Hancock Ave Detroit 7 Mich
Hall-Scott Div Hercules Corp 101 Eleventh St S E Canton 2 Ohio
HALL TOLEDO INC 2931 South Ave Toledo 9 Ohio
Hamden Steel & Aluminum Co State & Edmund Sts New Haven Conn
Hamilton Tool Co Ninth & Hanover Sts Hamilton Ohio
Hammer Blow Tool Co 602½ Third St Wausau Wis
Hammond Machinery Builders Inc 1621 Douglas Ave Kalamazoo 54 Mich
Hampton Mfg Co Industrial Tape Div 111 Cedar St New Rochelle N Y
Handi Blast Div Hamill Mfg Co Inc Washington Mich
Hanna Engineering Works 1765 Elston Ave Chicago 22 Ill
Hannifin Corp 543 South Wolf Rd Des Plaines Ill
HANSEN MFG CO A L 5037 Ravenswood Ave Chicago 40 Ill
Hanson Clutch & Machinery Co Wall & Minami Sts Tiffin 15 Ohio
Hanson Co Harvey E Lake Blvd & Commercial St Paw Paw Mich
Hanson Co Henry L 25 Union St Worcester 8 Mass
Hanson Van Winkle Munning Co Matawan N J
Hanson Whitney Machine Co 169 Bartholomew Ave Hartford 2 Conn
Harbor Plywood Corp Box 940 Aberdeen Wash
Hardinge Brothers Inc 1418 College Ave Elmira N Y
Hardy Mfg Corp W Pearl St Union City Ind
Harley Soap Co Pierce & Orthodox Sts Philadelphia 37 Pa
Harmo Tire & Rubber Corp 1800 W Fort St Detroit 16 Mich
HARNISCHFEGER CORP 4400 W National Ave Milwaukee Wis
Harrisburg Truck Body Co Sheely Lane & P R R Mechanicsburg Pa
Harris Colorific Co 5501 Cass Ave N W Cleveland 2 Ohio
HARRISON RADIATOR DIV GENERAL MOTORS CORP Washburn & Walnut Sts Lockport N Y
HARTFORD MACHINE SCREW CO PO Box 1440 Hartford 2 Conn
Hartman Metal Fabricators Inc 133 Murray St Rochester 6 N Y
Hartwell Aviation Supply Co 9035 Venice Blvd Los Angeles 31 Calif
Harvey Industries 3776 W 152nd St Cleveland 11 Ohio
HASTINGS MFG CO N Hanover St Hastings Mich
Hauschild Mfg Co F J 540 Main Street Oneonta N Y
Haviland Co Arnold 1008 S Jackson St Defiance Ohio
Hawkinson Co Winter St Minneapolis Minn
Hawk Tool & Engineeringn Co 20 W Washington St Clarkston Mich
Hayes Industries Inc Wildwood & Fern Aves Jackson Mich
Haywood Industries PO Box 1004 Dayton 1 Ohio
Hearne Bros National Bldg Detroit 26 Mich
Heckethorn Mfg & Supply Co PO Box 117 Dyersburg Tenn
Heet Dic of Demert & Dougherty Inc 5000 W 41st St Chicago 50 Ill
Heifred Corp The Church & Elm Sts Willoughby Ohio
Heil Co The 3042 W Montana Milwaukee Wis
Heinemann Electric Co Pa Ave & Plum St Trenton 2 N Y
Heintz Co James C 3738 W 143rd St Cleveland 11 Ohio
HEIN WERNER CORP 1200 National Ave Waukesha Wis
HELI-COIL CORP 591 Shelter Rock Lane Danbury Conn
Heller & Co W C 1907 Wabash Ave Montpelier Ohio
Heller Tool Co Heller Dr Newcomerstown Ohio
Hellwig Products Co Inc 6231 San Fernando Rd Glendale 1 Calif
Helms Industrial Development Co 220 S Kirk St West Lafayette Ohio
Hemco Div Heald Machine Co Springfield Mo
Hemmeter Corp 57 Evelyn Ave Mountain View Calif
HENDRICKSON MFG CO 8001 W 47th St Lyons Ill
Hendry Co C J 27 Main St San Francisco 5 Calif
Henry Mfg Co 1310 Marquette St Minneapolis Minn
HERBRAND DIV BINGHAM - HERBRAND CORP Lake & Stone Sts Fremont Ohio
Hercules Mfg Co 1 Main Co Henderson Ky
HERCULES MOTORS CORP 101 Eleventh St S E Canton 2 Ohio
Hercules Steel Products Co 500 Sherman St Galion Ohio
Herman Co Karl A 412 Fuller St N E Grand Rapids Mich
Herrmann Engrg Co 1405 Airway Glendale 1 Calif
HERTZ TRUCK LEASING & RENTAL SERVICE 501 Tenth Ave New York City
Hesse Carriage Co 6700 St John St Kansas City Mo
Hesse & Eisenhardt Co 8959 Blue Ash Ave Cincinnati 42 Ohio
Hettrick Mfg Co Summit & Magnolia Sts Toledo Ohio
Hetzel Bros 1457 E Washington Blvd Los Angeles 21 Calif
Hevi Duty Electric Co 3002 W Burleigh St Milwaukee 1 Wis
Hewitt Lucas Body Company Inc 1117 N Broadway St St Louis 2 Mo
Hewitt Metals Corp 12th St at Stanley Ave Detroit 8 Mich
Hewitt Robins Inc 666 Glenbrook Rd Stamford Conn
Hews Body Co 87 St John St Portland 4 Maine
Heyer Industries Inc 500 Cortland St Belleville 9 N J
Hickok Mfg Co 850 St Paul Rochester 1 N Y
Highway Equipment Co 616 "D" St N W Cedar Rapids Iowa
Highland Machine Co 3215 Superior Ave Cleveland 14 Ohio
High Speed Hammer Co 313 Norton St Rochester 5 N Y

Product listings begin on page 53

Highway Products Inc 800 Stow St Kent Ohio
Highway Safety Appliances Div of Napco Industries Inc 834 North Seventh St Minneapolis 11 Minn
HIGHWAY TRAILER CO 250 Park Ave New York
Hillard Corp 113 W Fourth St Elmira N Y
Hill & Griffith Co 1262 State St Cincinnati 4 Ohio
Hilliker Werner Inc 6931 Lowell Blvd Denver 21 Colo
Hill Inc Walter P 22183 Telegraph Rd Detroit 19 Mich
Hill Nut Co 2620 W Flournoy St Chicago 12 Ill
Hinson Mfg Co Westfield Ave & Manges St Waterloo Iowa
Hisey-Wolf Machine Co Div Cincinnati Electrical Tool Co Galvin & Mt Hope Aves Cincinnati 4 Ohio
Hi-Shear Corp 2600 W 247th St Torrance Calif
Hite Mfg Co 1916 Dayton Blvd North Chattanooga 5 Tenn
Hjorth Lathe & Tool Co 12 Beacon St Woburn Mass
Hobart Bros Co Hobart Sq Troy 1 Ohio
John W Hobbs Corp Div of Stewart Warner Corp Yale Blvd & Ash St Springfield Ill
Hobbs Trailer Div of Fruehauf Trailer Co 609 N Main St Fort Worth 1 Texas
Hock Paints Inc Box 190 Phoenixville Pa
Hodell Chain Co Div of National Screw & Mfg Co 3924 Cooper Ave Cleveland 3 Ohio
Hoffman Auto Body Service Inc 1480 N Grant Ave Columbus Ohio
Hoffman E W & W G 200-11 Hollis Ave Hollis 12 N Y
Holby Body Co E 2010 Washington Ave N Minneapolis Minn
Holan Corp 4100 W 150th St Cleveland 35 Ohio
Holes Webway Co St Cloud Minn
Holland Hitch Co 430 W 18th St Holland Mich
HOLLEY CARBURETOR CO 11955 E Nine Mile Rd Warren Mich
Hollingshead Corp R M 840 Cooper St Camden N J
Hollywood Accessories Inc 12322 Exposition Blvd Los Angeles 64 Calif
HOLMES CO ERNEST 2505 E 43rd St Chattanooga Tenn
Holub Industries Inc 413 DeKalb Ave Sycamore Ill
Homan & Co Inc 511 Reading Rd Reading Cincinnati 15 Ohio
HOMESTEAD VALVE MFG CO HYPRESSURE JENNY DIV Narrows Run Rd Coraopolis Pa
HONEYCUTT TOOL CO 315 Austin St Houston 2 Texas
Hood Refining Co PO Box 566 Manor Pa
Hoof Co C M 2100 Greenleaf St Evanston Ill
Hoof Products Co 6543 S Laramie Ave Chicago 38 Ill
Hooker Electrochemical Corp 27 Iroquois St Niagara Falls N Y
Hooper Body Corp 31st St & Warwick Ave Newport News Va
Hoosier Tarpaulin & Canvas Goods Co Inc 1302 W Washington St Indianapolis 6 Ind
Hoover Ball & Bearing Co Ann Arbor Mich
Hope Webbing Co PO Box 1495 Providence 1 R I
Hopkins Mfg Co 428 Dayton Ave Emporia Kansas
Horn Co A C Products Finishes Div 10th St & 44th Ave Long Island City 1 N Y
Houdaille Industries Inc Buffalo Hydraulics Div 537 E Delavan Ave Buffalo 11 N Y
Hough Co The Frank G Sunnyside Ave Libertyville Ill
Houghton & Co E F 303 W Lehigh Ave Philadelphia 33 Pa
Houser Engrg & Mfg Co 200 E Spring St Bluffton Ind
HOUSTON CHEMICAL CORP 200 Madison Ave New York 16 N Y
Howe Fire Apparatus Co 1402 W 22nd St Anderson Ind
Howell Industrial Truck Co 1083 Erie Cliff St Cleveland 7 Ohio
Howe Scale Co 3 Scale Ave Rutland Vt
Hoyt Electrical Instrument Works Inc 42 Carleton St Cambridge 42 Mass
Hubbard Mfg Co Farmland Ind
Hub City Iron Co 218 First Ave S W Aberdeen S D
Huber Warco Co 202 N Greenwood St Marion Ohio
Huck Mfg Co 2480 Bellevue Ave Detroit 7 Mich
Huffman Mfg Co Automotive Div PO Box 310 Delphos Ohio
Hughes Aircraft Co Vacuum Tube Products Div 2020 Short St Oceanside Calif
Hughes Keenan Div U S Air Conditioning Corp PO Box 360 Delaware Ohio
Humes Truck & Trailer Mfg Co 907 Franklin Ave Steubenville Ohio



NEW ALTERNATOR delivers current even at idle speed, prolonging life of battery. Standard equipment on Plymouth and Valiant.

Announcing the top two for the money:

PLYMOUTH AND VALIANT NEW '61 FLEET CARS

Meet the Solid Beauty '61 Plymouth Fleet Special (upper left). Here are good looks sure to cause a stir. Good looks designed to last. The rugged Unibody helps keep maintenance costs down, resale value up. New alternator delivers 4 amps at idle—for long battery life. This alternator is yours at no extra cost. Plymouth's engines? Better than ever. Last year's Mobilgas Economy Run champs in their classes, Plymouth's 30-D Economy Six and Fury V-800 both perform well on low-grade fuels, should deliver even better mileage than last year. See your Plymouth-Valiant dealer for further details on this top fleet car.

Valiant, last year's King of the Compacts (lower left), tops itself in '61. All the maneuverability, easy handling you could ask for. Roomy comfort for six-footers. Fully unitized body and smart lines that stay new-looking a long time. Corners virtually level no matter how tight the turns. Torsion-Aire suspension is your answer. And the Valiant inclined "six" is real easy on gas—27 miles per gallon by a professional driver in last year's Mobilgas Economy Run isn't to be sneezed at. And Valiant's standard equipment alternator delivers current to your battery even at idle speed. Test the new Valiant. See why this is the *other* top fleet car.

61 PLYMOUTH

Solid Beauty

61 Valiant!

Looks and drives like twice the price

● More details? Circle 230 on reply card inside back cover

HUMPHREY TO LASCO

Humphrey Products Div General Gas Light Co PO Box 2008 Kalamazoo Mich
Hunter Douglas Aluminum Corp 3016 Kansas Ave Riverside Calif
Hunter Engineering Co Hunter Ave & Ladue Rd St Louis 24 Mo
HUNTER MFG CO 30525 Aurora Rd Solon Ohio
Hunter Products Co Hunter Ave & Ladue Rd St Louis 24 Mo
Hunt Mfg Co Geo L 106 Commercial St Boscobel Wis
Hunt Valve Co 1913 E Pershing St Salem Ohio
Hunt-Spiller Mfg Corp 383 Dorchester Ave South Boston 27 Mass
Huot Mfg Co 550 Wheeler Ave St Paul Minn
HUPPOWER DIV HUPP CORP 7450 Melville St Detroit 17 Mich

HUPPOWER HEATERS "FIT"
See Your Jobber For:
Gabriel
Hadees
Red Head
Solar
(Ad on Page 345)

Hutchens Industries Inc 1206 Western Ave Eau Claire Wis
HUTCHENS & SON METAL PRODUCTS INC 2332 E Division St Rd Springfield Mo
Hutchinson Co 735 Ricov St Shreveport La
Hutson Div of Gibson-Homans Co Railroad & Institute Sts Conyers Ga
Hyatt Bearings Div General Motors Corp Middlesex St Harrison N J
Hydraulic Power Div Hydraulic Press Mfg Co 1000 Marion Rd Mount Gilead Ohio
Hydraulics Div of Sundstrand Corp 2210 Harrison Ave Rockford Ill
Hydro-Air Cleaning Systems Inc 14731 Miles Ave Cleveland 28 Ohio
HYDRO AIRE DIV CRANE CO 3000 Winona Ave Burbank Calif
Hydro E-Z Pack Div of Hercules Galion Products Inc 605 S Market St Galion Ohio
HYGRADE PRODUCTS DIV STANDARD MOTOR PRODUCTS INC 37-18 Northern Blvd Long Island City 1 N Y
Hyman C S E Concord St Fremont Ohio
Hynes Steel Products Co 3760 Oakwood Ave Youngstown Ohio
Hyster Corp 2902 N E Clackamus St Portland 8 Ore
Hyster Co Martin Trailer Div 816 N East St Kewanee Ill

I

I-T-E Circuit Breaker Co 601 E Erie Ave Philadelphia 34 Pa
Ideal Corp 435 Liberty Ave Brooklyn 1 N Y
Ideal Crane Co PO Box 516 Wichita Falls Texas
Ideal Industries Inc 1014 Park Ave Sycamore Ill
Ideal Mfg Co 1107 S 7th St Askaloosa Iowa
The Ideal System Co 2437 West Pico Blvd Los Angeles 6 Cal
Iden Company 650 N Kedzie Ave Chicago 12 Ill
Idico Products Co 1 W 125th St New York 27 N Y
Ignition Electrical Div Echlin Rd at US Rt 1
Ignition-Ite Products Co P O Box 373 Downey Calif
Ilg Electric Ventilating Co 2850 Pulaski Rd Chicago 41 Ill
Illinois Bronze Powder Co 2015 S Clark St Chicago Ill
Imco Mfg & Sales Co 10 E Lafayette Ave Baltimore 2 Md
Imerman Screw Products Co 6420 E Lafayette Ave Detroit 7 Mich
Immel Co 502 N Vermillion Streator Ill
IMPERIAL BRASS MFG CO 6300 W Howard St Chicago 48 Ill
Imperial Oil & Grease Co 6505 Wilshire Blvd Los Angeles 48 Calif
Indak Mfg Corp 1915 Techny Rd Northbrook Ill
Independent Iron Works Eighth & Pine Sts Oakland 20 Calif
Independent Pneumatic Tool Co 175 State St Aurora Ill
Indestro Mfg Co 2649 N Kildare Ave Chicago Ill
Indiana Commercial Filters Corp 415 Indianapolis Ave Lebanon Ind
Industrial Chemical Products Co 3769 Bellevue Ave Detroit 7 Mich
Industrial Crane & Hoist Ingersoll Products Div 1536 S Paulina St Chicago 8 Ill
Industrial Engineering Corp Vermillion S D
Industrial Products Div General Tire & Rubber Co Wabash Ind
Industrial Rayon Corp 660 Union Commerce Bldg Cleveland 1 Ohio
Industrial Scientific Co P O Box 494 Fresno 9 Calif
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Calif
Industrial Supply Div Sprayon Products Inc 2075 E 65th St Cleveland Ohio
Inertia Matic Inc 155 Arlington St. Watertown Mass
Ingersoll Kalamazoo Div Borg-Warner Corp 1810 N Pitcher St Kalamazoo Mich
INGERSOLL-RAND CO 11 Broadway New York 4 N Y
Ingersoll Steel Div Borg-Warner Corp P O Box 273 New Castle Ind
Inland Mfg Co 1108 Jackson St Omaha 8 Neb
Inland Mfg Div General Motors Corp 2727 Inland Ave Dayton 1 Ohio
Inland Rubber Corp 515 Newman St Mansfield Ohio
INLAND STEEL CO 30 W Monroe St Chicago 3 Ill
Insealtor Inc P O Box 146 Holly Mich
Insley Manufacturing Corp Indianapolis 6 Ind
Instant Seal Corp 38th & Powelton Sts Philadelphia 4 Pa
Insul-Mastic Corp of America 7750 W 61st Place Summit Ill
Interchemical Corp Cotan Div 341 Oliver St Newark 5 N J
International Automotive Air Conditioning Inc Sub of Investment Corp of America 1927 S W 1st Ave Fort Lauderdale Fla
International Business Machine Corp 590 Madison Ave New York 22 N Y
International Conveyor & Washer Corp 652 E Fort St Detroit 26 Mich
International Equip Div Morrison Railway Supply Corp P O Box 185 Sta F Buffalo N Y
INTERNATIONAL HARVESTER CO 180 N Michigan Ave Chicago 1 Ill
International Metal Hose Co Ashford Ave Bellevue Ohio
International Metal Polish Co 1910 Quill St Indianapolis Ind
International Mfg Co 2512 Washington St Roxbury 19 Mass
International Nickel Co 67 Wall St New York 5 N Y
International Packing Corp Lake St Bristol N H
International Parts Corp 4101 W 42nd Pl Chicago 32 Ill
Internationel Products & Mfg Co 1452 S Michigan Ave Chicago 5 Ill
International Refinol Co 6513 W Pershing Rd Berwyn Ill
International Telephone & Telegraph Corp Industrial Products Div 15191 Bledsoe St San Fernando Calif
Interstate Enamel & Varnish Co 323 W 15th St Indianapolis Ind
INTERSTATE TRAINING SERVICE Portland 12 Ore
Ionic Electrostatic Corp 111 Monroe St Garfield N J
Iron City Spring Co 2920 Smallman St Pittsburgh Pa
Irving Airchute Co Lexington Ky

J

J & J Machine Co 15420 St Clair Ave Cleveland 10 Ohio
J P Mfg Co 330 E Front St Youngstown 3 Ohio
J & S Carburetor Co PO Box 10391 Dallas 7 Tex
Jack-Pack Manufacturing Co 2115 N Marianna Ave Los Angeles 32 Cal
Jacobsen Mfg Co 747 Washington Ave Racine Wis
Jaeger Machine Co 550 W Spring St Columbus 16 Ohio
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee Wis
Jamestown Finishes Inc 125 Blackstone Ave Jamestown N Y
Jannell & Son Body Co Cumberland Hill Rd Woonsocket R I
Janney Cylinder Co 7401 State Rd Philadelphia 36 Pa
Jari Products Inc 2938 Pillsbury Ave Minneapolis Minn
Jarrett Co Cecil H Mt Olive Rd Newton N C
Javis Corp Middletown Conn
Jaw Mfg Co 39 Mulberry St Reading Pa
Jax Mfg Co 480 Jackson St St Paul Minn
Jaycee Chemical Corp The Forest Rd Route 22 Northford Conn
Jefferson Body Co 1711-3rd Ave S Birmingham 3 Ala
Jefferson Chemical 1121 Walker St Houston 2 Texas
Jenson and Mitchell Inc 400 New St Newark 3 N J
Jergans Tool Specialty Co 712 E 163rd St Cleveland 10 Ohio
Jet-Aer Corp Paterson 4 N J
Jetomatic Inc 150 Wakelle Ave Ansonia Conn
Jiffy Lubricator Co 3927 W Broadway Robbinsdale 22 Minn
Joanna-Western Mills Co 22nd & Jefferson Sts Chicago Ill
Jo Dog Manufacturing Co 33 Oolitic Rd Bedford Ind
Johns-Manville, Dutch Brand Div 7800 Woodlawn Ave Chicago 19 Ill
JOHNS-MANVILLE PACKING & FRICTION DIV 22 E 40th St New York
Johnson Bronze Co South Mill St New Castle Pa
Johnson Mfg Co PO Box 1674 Lubbock Texas
Johnson Rubber Co Middlefield Ohio
S C Johnson & Son Inc Racine Wis
Johnson Welding & Mfg Co Rice Lake Wis
Jo-Line Tools Inc 8442 Otis St South Gate Calif
Jones Co L E 1200 34th St Menominee Mich
Jones & Laughlin Steel Corp 3 Gateway Center Pittsburgh 30 Pa
Jones Motorola Corp 432 Fairfield Ave Stamford Conn
Joplin Trailer Inc 780 E Fifth St Joplin Mo
Jordan Electrical Products Div Electric Storage Battery Co 222 N 2nd St Minneapolis 1 Minn
Jorin Specialty Co 915 Old Town Road Clearfield Pa
Joyce-Cridland Co 2027 E First St Dayton 3 Ohio
Joy Mfg Co 333 Oliver Bldg Pittsburgh 22 Pa
Jubilee Mfg Co 1929 S 20th St Omaha 9 Neb

K

K C Fountain Brush Co 3718 Main St Kansas City 11 Mo
K-D LAMP CO 1910 Elm St Cincinnati 10 Ohio
K-D MFG CO 526 N Plum St Lancaster Pa
KW-Dart Truck Co 263 Oak St Kansas City 8 Mo
K & W Products Inc 8319 Allport Ave Whittier Calif
Kaalot Mfg Co 3927 N Kedzie Ave Chicago 18 Ill
Kaar Engrg Corp 2995 Middlefield Rd Palo Alto Calif
Kaiser Aluminum & Chemical Corp 300 Lakeside Dr Oakland 12 Calif
Kaiser Steel Corp 1924 Broadway Oakland 12 Calif
Kal-Equip Co 411 Washington St Otsego Mich
Kane & Roach Niagara & Shonnard Sts Syracuse 4 N Y
Kano Labs 1000 S Thompson La Nashville 11 Tenn
Kapro Corp 2329 S Michigan Ave Chicago 16 Ill
Kason Hardware Corp 71 Wallabout St Brooklyn 11 N Y
Kastar Inc 200 Lincoln Ave New York 54 N Y
Kaustine Furnace & Tank Corp Perry N Y
Kay-Brunner Steel Products Inc 999 Meridian Ave Alhambra Calif
Kaydon Engineering Corp Muskegon Mich
Kay-Wood Products Inc Bedford Pa
Kaywood Products Corp 217 Clinton St Jackson Mich
Keco Industries Inc 2438 Beekman St Cincinnati 14 Ohio
Keel & Co 65 W Penn St Philadelphia 44 Pa
Keep Klean Products Co 4077 Park Ave New York 57 N Y
Kehawke Mfg Co 718 Ellis St Muncie Ind
Kelite Corp 91 Industrial Road Berkeley Heights N J

KELSEY - HAYES DISTRIBUTORS

Akron 7, Ohio—The Motor Rim Manufacturers Co.
Albany 5, New York—Wheels, Incorporated
Albuquerque, New Mexico—Wheels & Brakes, Inc.
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Atlanta 10, Ga.—John A. Harris & Son, Inc.
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Boise, Idaho—Henderson Wheel & Supply Inc.
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Buffalo 3, New York—Frey, The Wheelman, Inc.
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Charlotte 1, N. C.—Carolina Rim & Wheel Co.
Chicago 16, Ill.—Stone Wheel, Inc.
Cincinnati 3, Ohio—Rim & Wheel Service, Inc.
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Dallas 2, Texas—Southwest Wheel, Inc.
Davenport, Iowa—Midwest Wheel & Rim Co.
Dayton 2, Ohio—Rim & Wheel Service, Inc.
Denver 1, Colorado—Quinn & McGill Motor Supply Co.
Des Moines 16, Iowa—Des Moines Wheel & Rim Co.
Detroit 16, Michigan—Rim & Wheel Service Co.
Dubuque, Iowa—Midwest Wheel & Rim Co.
El Paso, Texas—Southwest Wheel, Inc.
Evansville, Ind.—Auto Wheel & Rim Service Co., Inc.
Fargo, North Dakota—Pioneer Rim & Wheel Co.
Farmingdale, New York—Wheels, Inc.
Fort Wayne 2, Indiana—Wheel & Rim Sales Co.
Grand Rapids 12, Mich.—Rim & Wheel Service
Hammond, Indiana—Stone Wheel, Inc.
Harrisburg, Pa.—Standard Wheel & Rim Co.
Hartford 6, Conn.—Connecticut Wheel & Rim Co., Inc.
Houston, Texas—Southwest Wheel, Inc.
Indianapolis 2, Ind.—Indiana Wheel & Rim Co., Inc.
Jacksonville 3, Fla.—Southeast Wheel & Rim Co., Inc.
Kansas City 8, Mo.—Borbein-Young & Company
Knoxville 20, Tenn.—John A. Harris & Son, Inc.
Lancaster, Pa.—Standard Wheel & Rim Co.
Los Angeles 23, Calif—Motor Rim & Wheel Service
Louisville 3, Ky.—Auto Wheel & Rim Service Co., Inc.
Lubbock, Texas—Southwest Wheel, Inc.
Memphis 3, Tenn.—Beller Wheel, Brake & Supply
Milwaukee 8, Wis.—Wisconsin Wheel & Rim, Inc.
Minneapolis 3, Minn.—Pioneer Rim & Wheel Co.
Nashville 3, Tenn.—Beller Wheel, Brake & Supply
New Haven 11, Conn.—Connecticut Wheel & Rim Co., Inc.
New Orleans 19, La.—Southern Wheel & Rim Service
New York 23, N. Y.—Wheels, Inc.
Oklahoma City 1, Okla.—Southwest Wheel, Inc.
Omaha 2, Neb.—Morgan Wheel & Equipment Co.
Omaha 2, Neb.—Omaha Rim & Wheel Co.
Peoria 2, Ill.—Peoria Wheel & Rim Co.
Philadelphia 4, Pa.—Kay Wheel Sales Co.
Philadelphia, Pa.—Kay Wheel Sales Co.
Philadelphia 30, Pa.—Thomas Wheel & Rim Co., Inc.
Pittsburgh 13, Pa.—Wheel & Rim Sales Co.
Portland 9, Oregon—Auto Wheel Service, Inc.
Providence, R. I.—New England Wheel & Rim Co.
Raleigh, N. C.—Carolina Rim & Wheel Co.
Richmond 20, Va.—Dixie Wheel Co.
Rochester 7, N. Y.—Frey, The Wheelman, Inc.
St. Louis 8, Mo.—Borbein-Young & Co.
Salt Lake City 11, Utah—Henderson Rim & Wheel Service
San Antonio, Texas—Southwest Wheel, Inc.
San Francisco 10, Calif.—Motor Rim & Wheel Service
Savannah, Ga.—Southeast Wheel & Rim Co., Inc.
Seattle 99, Wash.—Motor Wheel & Parts Co., Inc.
South Bend 19, Ind.—Wheel & Rim Sales Co., Inc.
Springfield, Ill.—Illinois Wheel & Brake Co.
Springfield 7, Mass.—New England Wheel & Parts, Inc.
Springfield 3, Mo.—Borbein-Young & Co.
Spokane 2, Wash.—Bearing & Rim Supply Co.
Syracuse 6, N. Y.—Wheels Inc.
Toledo 1, Ohio—Wheel & Rim Sales Co.
Vineland, N. J.—Kay Wheel Sales Co.
Wichita 5, Kansas—Borbein-Young & Co.
Winston-Salem, N. C.—United Automotive Servire

CANADIAN DISTRIBUTORS

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Calgary, Alta.—Mutual Supplies, Ltd.
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Toronto 14, Ont.—Wheel & Rim Co. of Canada
Montreal 11, Que.—Auto Wheel & Supplies, Ltd.
Limoilou, Que. City, Que.—Palmar Automotive, Ltd.

EXPORT REPRESENTATIVES

Cleveland 3, Ohio—C. O. Brandes, Inc.
New York 19, N. Y.—General Motors Overseas Oper.

See Our Advertisement on Page 247

Keller Tool Div Gardner Denver Co 1333 Fulton St Grand Haven Mich
Kelley Co 2151 W Mill Rd Milwaukee Wis
Kellogg Div American Brake Shoe Co Rochester 9 N Y
Kelly Mfg Co 503 Broad St Charleston 21 W Va
Kelly Ryan Equipment Co Blair Nebr
KELLY-SPRINGFIELD TIRE CO PO Box 300 Cumberland Md
KELSEY-HAYES CO 3600 Military Ave Detroit 32 Mich
←
Kemi-Kold Corp PO Box 5756 Orlando Fla
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Kendall Co Poly Ken Sales Div 309 W Jackson Blvd Chicago 6 Ill
KENDALL REFINING CO 77 N Kendall St Bradford Pa
Kennedy Car Liner & Bag Co Shelbyville Ind
Kennedy Mfg Co 501 N Monroe St Streator Ill
Kennedy Mfg Co N Harrison St Van Wert Ohio
Kennedy Service Tools Co 788 Evans Ave Akron 5 Ohio
Kennedy Tank & Mfg Co 833 E Sumner Ave Indianapolis 27 Ind
Ken-Nite Co 2926 Hancock Ave W Detroit 8 Mich
Kensico Tube Co Hubbell's Cross Rd Mt Kisco N Y
Kensington Wagon Works 2756 Frankford Ave Philadelphia 34 Pa
Kent Extinguisher Co 830 Front St N W Grand Rapids Mich
KENT-MOORE ORGANIZATION INC 28635 Mound Rd Warren Mich
KEN-TOOL MFG CO 768 E North St Akron 5 Ohio
Kentucky Mfg Co 2601 Third St Louisville 8 Ky
Kenworth Motor Truck Co 8801 Marginal Way Seattle 8 Wash
Kermath Mfg Co 5890 Commonwealth Ave Detroit 8 Mich
Ketter Truck Bodies 3rd & Ellison Ave Ironton Ohio
Kett Tool Co 5055 Madison Rd Cincinnati 27 Ohio
Kewanee Mfg Co 1642 Burlington Ave Kewanee Wis
Kewanee-Ross Corp Buffalo N Y
Kex Products Co 4400 St Vincent Ave St Louis 19 Mo
Key-Hak Div Producers & Distributors Inc 1321 Hanover Ave Allentown Pa
Keysco Mfg Co 1244 E 12th St Oakland 6 Calif
Keystone Compressor Co 8407 Hegerman St Holmesburg Philadelphia 36 Pa
Keystone Gasket Mfg Co 833 N Fourth St Philadelphia 23 Pa
Keystone Reamer & Tool Co Millersburg Pa
Keystone Trailer & Equipment Co 1501 Guinotte Ave Kansas City 20 Mo
Keystone View Co Hamilton & Crandall Sts Meadville Pa
Keystone Wagon Works Inc C St & Allegheny Ave Philadelphia 34 Pa
Kichaefer Mfg Co 901-903 S Second St Milwaukee 4 Wis
KIDDE & CO INC WALTER 675 Main St Belleville 9 N J
Kiene Diesel Accessories Inc 10352 Pacific Ave Franklin Park Ill
Kilborn Sauer Co Post Rd Fairfield Conn
Kiley Co James A 15 Linwood St Somerville Mass
KILGORE INC INTERNATIONAL FLARE SIGNAL DIV 200 E Broadway PO Box 31 Westerville 2 Ohio
Kimball Co A Rewe St Brooklyn 11 N Y
Kimes Corp Harold E 1029 West Stephenson St Freeport Ill
KIM HOTSTART MFG CO 917 W Broadway Spokane 1 Wash
Kindt-Collins Co 12651 Elmwood Ave Cleveland 11 Ohio
King Bee Manufacturing Co 2600 Washington Blvd Bellwood Ill
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
King Graphite Products Inc Trenton Mich
Kingham Trailer Co Inc 15th & Hill Sts Louisville Ky
Kings County Centerless Grinding Co 555 36th St Union City N J
KING-SEELEY CORP 315 S First St Ann Arbor Mich
KINNEAR MFG CO 2100 Fields Ave Columbus 16 Ohio

Product listings begin on page 53

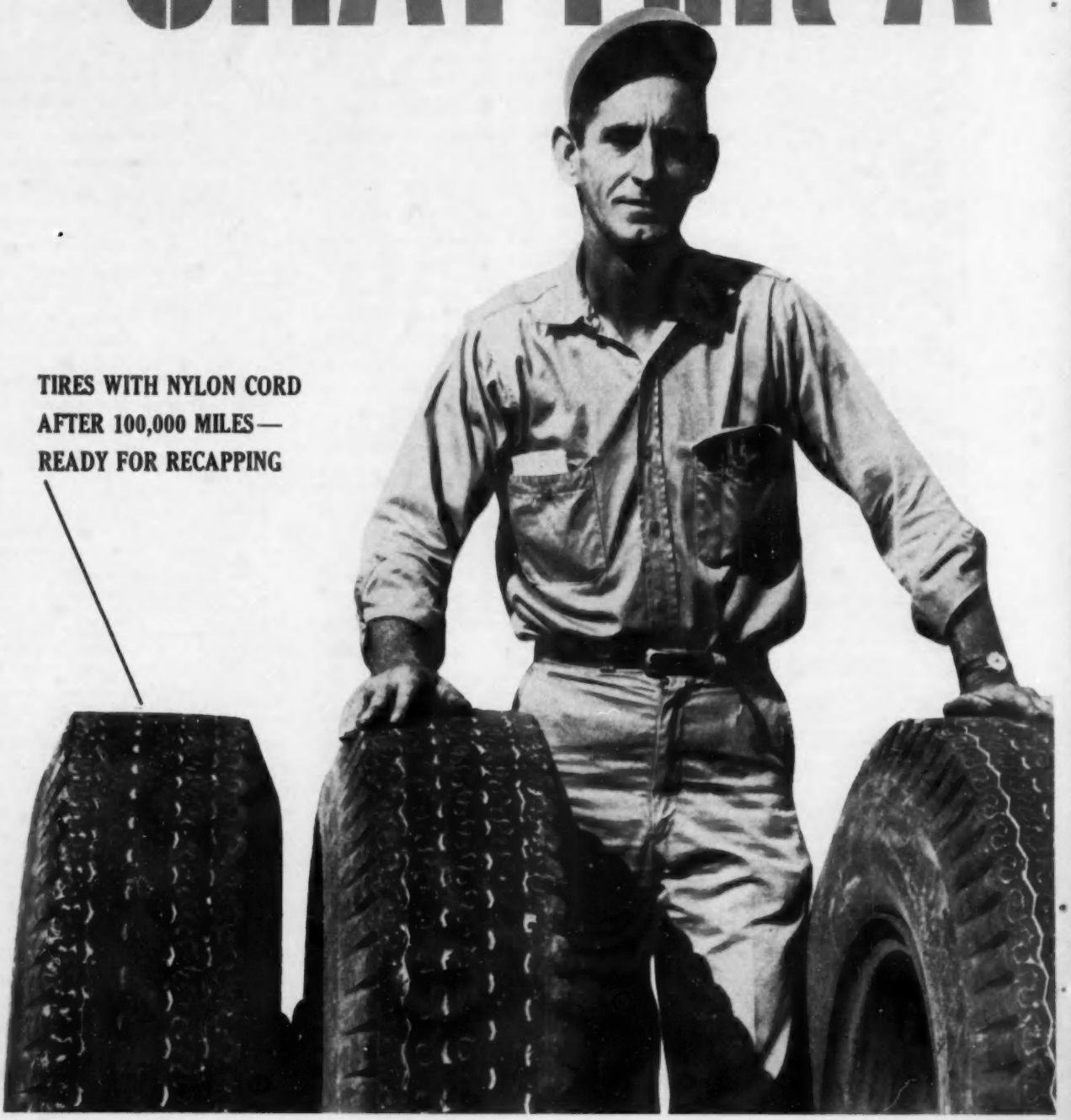
Kirk & Blum Mfg Co 3149 Forrer St Cincinnati 9 Ohio
Kirspel Industries Inc Livingston N J
Kitowski Mfg Co 611 First St N St Cloud Minn
Kitson Inc Arthur H 20818 Harper Ave Detroit 36 Mich
Klean Strip Co Box 3565 Memphis 6 Tenn
Kleen-Mor Mfg Co PO Box 8531 Jackson Miss
Kleer-Fol Co 250 W 57th St New York 19 N Y
Klein Body Co 3280 W 25th St Cleveland 9 Ohio
Kleinschmidt Inc County Line Rd Deerfield Ill
Klem Chemicals Inc 14401 Lanson St Dearborn Mich
Klemm Automotive Products Co 1718 N Damen Ave Chicago 47 Ill
Kliegl Bros Universal Electric Stage Lighting Co 321 W 50th St New York N Y
Klopp Engrg Inc 35551 Schoolcraft St Levonia Mich
Knapheide Mfg Co 440 S 6th St Quincy Ill
Kneuer Tail Board Co 45 Sea Girt Ave Manasquan N J
Knowles-Fisher Corp Gowanda N Y
Koch & Son Mfg Co 200 Wilson Ave N E St Cloud Minn
Koehring Co 1701 W Wisconsin Ave., Milwaukee 1 Wis
Koenig Iron Works PO Box 7726 Houston 10 Tex
KOHLER CO Kohler Wis
Kold Hold Div of Tranter Mfg Inc 620 E Hazel St Lansing 4 Mich
Kolene Corp 12890 Westwood Ave Detroit 23, Mich
Koneta Rubber Co Park St Wapakoneta Ohio
Koningslow Mfg Co Otto 3600 Perkins Ave Cleveland Ohio
Koppers Co Metal Products Div 200 Scott St Baltimore 3 Md
Kravex Mfg Corp 634 Prospect Pl Brooklyn N Y
Krembs & Co 669 W Ohio St Chicago 10 Ill
Krome Co 39 Mulberry St Reading Pa
Krueger Fabricating Co Inc Sub of The Dairy Equipment Co Madison Wis
Krylon Inc Ford & Washington Sts Norristown Pa
Kurland Combinator Denver 3 Colo
Kwik-Ezee Inc 54 Brooklyn Ave Westbury N Y
Kwik-Mix Co 235 W Brand Ave Port Washington Wis
KYSOR HEATER CO Hynes St Cadillac Mich

— L —

L C Products Inc 1413 Naomi St Indianapolis 7 Ind
L & R Mfg Co 577 Elm St Kearny N J
L & S Bearing Co 6 S Pennsylvania Ave Oklahoma City Okla
Lacey & Sons Co W F 50 Mystic Ave Medford 55 Mass
La Crosse Trailer Corp 418 Gould St La Crosse Wis
Lahareo Industries Inc 721 Second Ave N Minneapolis 3 Minn
LAHER SPRING & ELECTRIC CAR CORP 26th & Magnolia Sts Oakland 7 Calif
Laitner Brush Co 2000 Brooklyn Ave Detroit 26 Mich
Lake Auto Radiator Mfg Co 5200 W 130th St Cleveland 30 Ohio
Lake Erie Machinery Corp 890 Woodward Ave Buffalo 17 N Y
Lambert Inc 513 Hunter Ave Dayton Ohio
Lambert Inc Ansonia Ohio
Laminated Shim Co 62 Union St Glenbrook Conn
Lampeer Mfg Co 3056 Davison Rd Lapeer Mich
LAMSON & SESSIONS CO 5000 Tiedeman Rd Cleveland 9 Ohio
Landers Corp Buckingham & Blucher Sts Toledo 1 Ohio
Landis Machine Co Fifth & Church Sts Waynesboro Pa
Landis Tool Co Sixth & Ringold Sts Waynesboro Pa
Lane & Beane 2934 Arunah Ave Baltimore 16 Md
Lang Co 267 W First South St Salt Lake City 10 Utah
Lange Machine Works Henry G 156 N May St Chicago 7 Ill
Langley Mfg Co Inc 955 Cambridge, Cambridge, Mass
Langlois Bros 717 S San Pedro St Los Angeles 14 Calif
Langsenkamp Co F H Materials Handling Div 229 E South St Indianapolis Ind
Lapointe Machine Tool Co 34 Tower St Hudson Mass
Larson Tool & Stamping Co Olive St Attleboro Mass
La Salle Tool Inc 3840 E Outer Drive Detroit 34 Mich
LASCO BRAKE PRODUCTS CORP 2615 Magnolia St Oakland Calif

Texas fleet tests with TYREX® Rayon Cord

SHATTER A

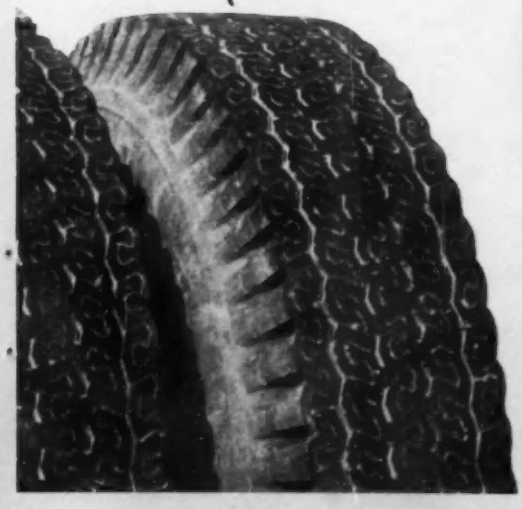


TIRE MYTH!

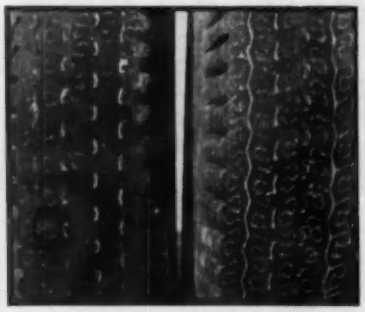
At the 1960 A.T.A. Convention, thousands of the nation's leading Fleet Owners examined the results of a startling showdown tire test . . . a test made under actual operating conditions on the trucks of the Ray Smith Associated Companies of Dallas, Texas! They saw actual proof that tires made with TYREX tire cord mean less downtime, more mileage, more profits!

Tires of TYREX tire cord were tested against those of nylon construction to determine comparative performance characteristics. The Ray Smith Associated Companies has 383 tractors, 505 trailers. Test tires are 1000/20 standard production tires—32 with TYREX cord—32 with Nylon cord—all mounted on the drive wheels. The four you see (left) are the first to reach 100,000 miles and the difference in treadwear is visible to the eye. As the tests continue, the results should prove even more startling. More facts to add to the mounting evidence of the superiority of tires made with TYREX cord—tires that give more mileage—tires that keep more of their strength as tire heat soars—tires that run cooler, "grow" less, have less groove-cracking, retread easier. No wonder more and more profit-conscious owners are specifying tires made with TYREX tire cord.

TIRES WITH TYREX CORD AFTER 100,000 MILES—STILL 51.4% OF ORIGINAL TREAD DEPTH LEFT!



Test fleet includes 383 tractors, 505 trailers. They haul cement throughout Texas. Roads are hot, loads heavy—72,000 pounds gross weight or 4,000 lbs. per tire.



A "road's-eye" view of 2 of the 64 tires. Both are standard production 1000/20 tires, both have gone 100,000 miles—but compare mileage remaining on nylon tire (left) with TYREX cord (right).

TYREX® rayon TIRE CORD

For more facts on test, write TYREX Inc., Empire State Bldg., New York 1, N. Y. TYREX (Reg. U.S. Pat. Off.) is a collective trademark of TYREX Inc. for tire yarn and cord. TYREX tire yarn and cord is also produced and available in Canada.

● More details? Circle 231 on reply card inside back cover

LAS-STIK TO MOTOR

Las-Stik Mfg Co Wayne & B Sts Hamilton Ohio
Latex Fiber Industries Inc Beaver Falls N Y
Lauson Engine Div Tecumseh Products Co New Holstein Wis
Lavin Machine & Mfg Works A M Hatboro Pa
Lavo Co of America 1243 N 5th St Milwaukee 12 Wis
F H Lawson Co 801 Evans St Cincinnati 4 Ohio
Lawter Chemicals Inc 3550 Touhy Ave Chicago 45 Ill
Lench Co 401 S Main St Oshkosh Wis
Leader Screw & Mfg Co 3805 E 91st St Cleveland 5 Ohio
Len Mfg Co 16 Cherry Ave Waterbury 20 Conn
Lectrolite Corp Hickory St Defiance Ohio
LEECE-NEVILLE CO 1374 E 51st St Cleveland 3 Ohio
LEE CO H D 117 W 20th St Kansas City 41 Mo
Lee Co K O Congress at First S E Aberdeen S D
Lee Filter Corp Edison N J
Lee Polish Mfg Co 1399 Utica Ave Brooklyn 3 N Y
LEE RUBBER & TIRE CORP Conshohocken Pa
Lehigh Chemical Co 10 Flatland Rd Chestertown Md
Lehigh Mfg Co Div of Lehigh Inc Lehigh Drive Easton Pa
Leland Equipment Co Tulsa Okla
Leland-Gifford Co 1001 Southbridge St Worcester 3 Mass
Lemert Engr Co 201 E Jefferson St Plymouth Ind
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Lencor Mfg Corp Lenox Iowa
Lengor Inc PO Box 126 Annapolis Md
Lenk Mfg Co Franklin Ky
Leonard Precision Products Co 10052 Larson Ave Garden Grove Calif
Le Roi Div Westinghouse Air Brake Co Sidney Ohio
Leterstone Sales Co 2515 S Wabash Ave Chicago Ill
LeTourneau-Westinghouse Co Peoria Ill
Levene Motor Co 6245 State Rd Philadelphia 35 Pa
Lewis-Shepard Products Inc 1050 Walnut St Watertown 72 Mass
LEYLAND MOTORS (USA) INC 32 E 57th St New York 22 N Y
Liberty Bell Mfg Co Swainsboro Ga
LIBBY-OWENS FORD GLASS CO 608 Madison Ave Toledo 3 Ohio
Life Kote Plastics Corp 456 Woodland Ave Cleveland 15 Ohio
Lift Trucks Inc Spring Grove St Cincinnati 1 Ohio
Liggett Spring & Axle Co Monongahela Pa
Liggett Supply & Equipment Co 2030 S Main St Elkhart Ind
Lincoln Brass Works 2067 12th St Detroit 16 Mich
Lincoln Electric Co 22801 St Clair Ave Cleveland 17 Ohio
LINCOLN ENGINEERING CO 4010 Goodfellow Blvd St Louis 20 Mo
Lincoln-Mercury Div Ford Motor Co 3000 Schaefer Dearborn Mich
Lincoln Park Industries Inc 1719 Ferris Ave Lincoln Park 24 Mich
Linde Co Div of Union Carbide Corp 30 E 42nd St New York 17 N Y
Linderme Tube Co 1500 E 219th St Cleveland 17 Ohio
Lindsay Structure Div International Steel Co 1321 Edgar St Evansville Ind
Lindsay Structure Inc 5000 W Dempster St Skokie Ill
Link-Belt Co 307 N Michigan Ave Chicago 1 Ill
Link-Belt Speeder Corp 1201 Sixth St S W Cedar Rapids Iowa
Link Engrg Co 13840 Elmira Ave Detroit 27 Mich
Lion Auto Parts & Mfg Co 1920 S Michigan Ave Chicago 16 Ill
Lion Oil Co El Dorado Ark
LIPE-ROLLWAY CORP 806 Emerson Ave Syracuse 4 N. Y.
Liquid Glaze Inc 704 Sheridan St Lansing 6 Mich
Liquidometer Corp 3920 Skillman Ave L I City N Y
Liquid Veneer Corp 215 E Ellicott St Buffalo 3 N Y
Lisle Corp 809 E Main St Clarinda Iowa
Little Giant Products Inc 1530 N Adams St Peoria 3 Ill
Littlefuse Inc 1865 Miner St Des Plaines Ill
Livingston Co 150 Amity Rd New Haven 15 Conn
Lloyd Chain Mfg Co 2000 E First St Maryville Mo
Load Stop Mfg Co 6750 Northwest 37th Ave Miami Fla
Lodestar Corp S Main St Niles Ohio
Logan Co Cabel St Louisville 6 Ky
Logan Engrg Co 4901 W Laurence Ave Chicago 30 Ill
Logansport Machine Co Center Ave Logansport Ind
Long Mfg Div Borg-Warner Corp 12501 Dequindre St Detroit Mich
R J Loock & Co 343 N Gay St Baltimore Md
Loomis Machine Co E Fourth St Claire Mich
Lord Mfg Co 1635 W 12th St Erie Pa
Loreman Products 607 Pine Bluff Rd Salisbury Md
Louden Machinery Co 1102 West Ave Fairfield Iowa
LUBER-FINER INC 2514 S Grand Ave Los Angeles 7 Calif
Luboid Co 3270 S Third St Milwaukee 7 Wis
Lubrication Engineers Inc Fort Worth Texas
Lubri-Gas International Inc 221 N LaSalle Street Chicago 1 Ill
LUBRIPLATE DIV FISKE BROS REFINING CO Newark 5 N J
Lucas Mfg Corp 309 S Union St Kokomo Ind
Lufkin Foundry & Machine Co Lufkin Texas
Lufkin Rule Co 1730 Hess Ave Saginaw Mich
The Lug All Co 355 Lancaster Ave Haverford Pa
Luma Electric Equipment Co P O Box 132 Toledo 1 Ohio
Lumidor Mfg Co 4801 E 50th St Los Angeles 58 Calif
Luminator Inc 120 N Peoria St Chicago 80 Ill
Lummis Mfg Co 2242 E Foothill Blvd Pasadena 8 Calif
Lundell Mfg Co Cherokee Iowa
Lunkenheimer Co Beekman St & Waverly Ave Cincinnati 14 Ohio
Lusco Inc 5915 Bonna Ave Cleveland 3 Ohio
Lusk Co C F 5918 Bonna Ave Cleveland Ohio
Lustrolyte Industries Hockerton N C
Luthy Co F A 302 Cooper St Jackson Mich
Lydon-Bricher Mfg Co 2500 University Ave St Paul 14 Minn
LYNCOACH & TRUCK CO INC Oneonta N Y

LYN Truck Bodies

LYN aluminum bodies come in 45 standard sizes . . . 3 body styles. See Page 250 for details.

LYNCOACH & TRUCK CO., INC.

Oneonta, New York

Troy, Alabama

Lyon Metal Products Inc 609 Monroe Ave Aurora Ill

M

MacKenzie Muffler Co 460 N Meridian Rd Youngstown 9 Ohio
MacLean-Fogg Lock Nut Co 5535 N Walcott Ave Chicago 40 Ill
MacMillan Petroleum Corp 530 W 6th St Los Angeles 13 Calif
McBee Co Athens Ohio
McCabe-Powers Auto Body Co 5900 N Broadway St Louis 15 Mo
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
McCreary Tire & Rubber Co Box 700 Indiana Pa
McCrosky Tool Corp S Main St Meadville Pa
McCulloch Motors Corp 6101 W Century Blvd Los Angeles 45 Calif
McDougall-Butler Co 2929 Main St Buffalo 14 N Y
McGill Mfg Co Bearing Div 259 Indiana Ave Valparaiso Ind
McGlaughlin Oil Co 3750 E Livingston Ave Columbus Ohio
McGRAW-EDISON CO 5201 W 65th St Chicago 38 Ill (Tropic-Aire—Coldmobile)
McKay Co 1005 Liberty Ave Pittsburgh 22 Pa
McKay Mfg Co John A Dunn N C
McLaughlin Body Co 2430 Third Ave Moline Ill
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis Mo
M-B Corp 1615 Wisconsin Ave New Holstein Wis
M D Parts Mfg Co 5247 Coffman-Pico Rd Pico Calif
M & E Mfg Co 2571 Winthrop Ave Indianapolis 5 Ind
M G M BRAKES INC Miller Building Cloverdale Calif
M-M-A Inc 53 N Duke St Lancaster Pa
MACCHI & CO 818 Valencia St San Francisco 10 Calif
Machined Parts Corp 6209 Hamilton Ave Detroit 2 Mich
Machinical Air Controls Inc 10030 Capital Ave Detroit 37 Mich
Mack Products Co 15 Putnam St Winthrop Mass
MACK TRUCKS INC 1355 W Front St Plainfield N J
Mac's Super Gloss Co 6040 N Figueroa St Los Angeles 42 Calif
Maday Body & Equipment Corp 575 Howard St Buffalo 6 N Y
Madison-Kipp Corp 201 Waubesa St Madison Wis
Magic Iron Cement Co Inc 14215 Caine Ave Cleveland 28, Ohio
Magline Inc 952 Murry Rd Pinconning Mich
MAGNAFLUX CORP 7328 W Lawrence Ave Chicago 31 Ill
Magnesium Co of America 155 S E Tenth Ave Hialeah Fla
Magnetic Drain Plug Co Wellington Ohio
MAGNUS CHEMICAL CO INC 185 South Ave Garwood N J
Mahl Steel & Bolt Co 3081 E Slavson St Huntington Park Cal
MAHON CORP R C 6565 E Eight Mile Rd at Sherwood Detroit 34 Mich
Jay H Maish Co Gospel Hill Marion Ohio
Majestic Bearing Div of Continental Bearings Corp 2515 S Wabash Ave Chicago 16 Ill
Mallory Electric Corp 12416 Cloverdale Ave Detroit 4 Mich
Mallory & Co P R 76 S Gray St Indianapolis 6 Ind
MALSBARY MFG CO 845 92nd Ave Oakland 3 Calif
Manbee Equipment Div Bear Mfg PO Box 607 Rock Island Ill
Manitowoc Engineering Corp Manitowoc Wis
Manley Div American Chain & Cable Co York Pa
Manley Div Douglas Motors Inc 1234 N 62nd St Milwaukee 13 Wis
Manning Maxwell & Moore Inc Consolidated Ashcraft Hancock Div Stratford Conn
Manpro Corp 1360 Hilton R Ferndale 20 Mich
Mansfield Tire & Rubber Co 515 Newman St Mansfield Ohio
Manzel Unit of Houdaille Industries Inc 315 Babcock St Buffalo 10 N Y
Marchant Calculators Div Smith Corona Marchant 1475 Powell St Oakland 8 Calif
Maremount Muffler Div Mar Pro Inc Maremount Bldg 168 N Michigan Ave Chicago 1 Ill
Marion Body Works Maris Wis
Marion Metal Products Co Cheyney Ave Marion Ohio
Marion Mfg Co N Main St at PRR Marion Ohio
Marion Power Shovel Co 617 W Center St Marion Ohio
Markal Co 3052 W Carroll Ave Chicago 12 Ill
Marlin Rockwell Corp 402 Chandler St Jamestown N Y
Marmon Herrington Co 1511 W Washington St Indianapolis 7 Ind
Marquette Div of Curtiss Wright 1145 Galewood Drive Cleveland 10 Ohio
Marquette Mfg Co Inc 307 E Hennepin Ave Minneapolis 14 Minn
MARSHALL ECLIPSE DIV BENDIX CORP Box 538 Troy N Y
MARSON CORP 765 Revere Beach Pkwy Revere 51 Mass
Martin Co Glenn L Baltimore 3 Md
Martindale Electric Co 1340 Hird Cleveland 7 Ohio
Martin Senour Co 2500 Senour Ave Chicago 8 Ill
Marvel Schebler Products Div Borg Warner Corp Decatur Ill
Massey-Ferguson Inc Racine Wis
Master Automotive Chemicals Inc 37 Preston Court Brooklyn 34 N Y
Master Co 37 Preston Ct Brooklyn 34 N Y
Mastercraft Trailers Inc Middlefield St Middletown Conn
Master Equipment Corp PO Box 55 Dayton 1 Ohio
Master Fleet Washer Div Acme Equipment Inc Central Trust Bldg Altoona Pa
Master Industries Inc 111 E Sixth St St Paul 1 Minn
Master Parts Div Airtex Products Inc Fairfield Ill
Master Power Corp 6225 Cochran Rd Solon 39 Ohio
Master Pneumatic Tool Co Erick Rd Bedford Ohio
Master Signal Co 1005 Sutton St Howell Mich

Masters Inc Irwin W 1060 N Lake St Burbank Calif
Master Specialty Co 3725 Monitor Ave Minneapolis 26 Minn
Master Tank & Welding 1612 Singleton Blvd Dallas 2 Texas
Mather Spring Co PO Box 6695 Toledo Ohio
Matticks Mfg Co 4156 E Pacific Way Los Angeles 23 Calif
Maxibrake Inc PO Box 2362 Terminal Annex Los Angeles 54 Cal
Maxi Corp PO Box 3129 Terminal Annex Los Angeles 54 Calif
Maxim Motor Co 170 Wareham St Middleboro Mass
Maxon's Mfg Co 6858 Lankershim Blvd North Hollywood Calif
MAXWELL DYNAMOMETER CO West Chester Pa
Mechanex Corp 1144 Broadway Denver 3 Colo
Mechanics Universal Joint Div Borg Warner Corp 2020 Harrison Ave Rockford Ill
Meeks Son S J 622 G St N W Washington 1 D C
Melooz Mfg Co 4730 Avalon Blvd Los Angeles Calif
Melrath Supply & Gasket Co Tioga & Memphis Sts Philadelphia 34 Pa
Memco 1007 N W 36th St Oklahoma City 18 Okla
Mercedes Benz Sales Inc Studebaker-Packard Corp 635 S Main St South Bend 25 Ind
Mercury Aircraft Inc Hammondsport N Y
Mercury Electric Co 2311 Tauromee Ave Kansas City Kansas
Mercury Mfg Corp 4700 W Division St Chicago 51 Ill
Mergraf Oil Products Co PO Box 95 Northville Mich
Merkert & Sons 146-10 Jamaica St Jamaica N Y
Merrill Axle & Wheel Service 12th & Acoma Sts Denver Colo
Mertens Mfg Co 1533 Hamilton Ave Racine Wis
Mesco Products 1131 Main St Crete Neb
Mesta Machine Co Box 1466 Pittsburgh Pa
Metal Building Div Inland Steel Products Co PO Box 393 Milwaukee Wis
Metal Engineering Co PO Box 158 Glencoe Ill
Metalglass Laboratories Inc 2410 Packers Ave Madison 4 Wis
Metal Hose & Tubing Co W Clinton St Dover N J
Metallizing Engrg Co 1101 Prospect Ave Westbury N Y
Metal Products Engineering Inc 4000 Long Beach Ave Los Angeles 58 Calif
Metals Body Works 1246 S Los Angeles 15 Calif
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Meteor Motor Car Co 125 Clark Ave Piqua Ohio
Meter Master Products Corp Box 278 Defiance Ohio
Met-L-Wood Corp 6755 W 65th St Chicago 38 Ill
Metron Instrument Co 432 Lincoln St Denver 9 Colo
Metropolitan Wire Goods Corp N Washington St & George Ave Wilkes-Barre Pa
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Michigan Spring Co Wickham Dr Muskegon Mich
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Micro-Poise Engrg & Sales Co 14851 Grand River Ave Detroit 27 Mich
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Midland Mfg Inc 1100 S McComa's St Wichita 12 Kan
Midland-Ross Corp Cleveland Div Madison Ave & W 106th St Cleveland Ohio
Midland-Ross Corp Detroit Div 6660 Mt Elliott Ave Detroit 11 Mich
MIDLAND-ROSS CORP OWOSSO DIV 490 S Chestnut St Owosso Mich
Mid-States Welder Mfg Co 6025 S Ashland Ave Chicago 36 Ill
Midwec Corp 601 S Jason Denver Colo
Mid West Abrasive Co 510 S Washington St Owosso Mich

Product listings begin on page 53

Midwest Body & Mfg Co S Central St Paris Ill
Mid-West Dynamometer & Engineering Co 3100 River Rd River Grove Ill
Midwestern General Corp Detroit 27 Mich
Midwest Generator Co 4004 W Ogden Ave Chicago 23 Ill
Mighty Mover Straddle Trailer Co 1701 E Louisiana St Denver Colo
Milbar Corp 1900 Euclid Ave Cleveland 15 Ohio
Milbin Printing Co 132 W 22nd St New York 11 N Y
Milesmaster Inc of America 1550 E 74th Place Chicago 19 Ill
Miley Co L J 18 S Sangamon St Chicago 7 Ill
Milford Crane & Machine Co 143 Buckingham Ave Milford Conn
L B Miller Co 336 W Main St Stamford Conn
Miller Div Wayne Works Inc Bellefontaine Ohio
Miller Electric Mfg Co 718 S Bounds St Appleton Wis
Miller Industrial Products Inc 213 E Cortland St Jackson Mich
Miller Meteor Motor Car Div Divco Wayne Corp Bellefontaine Ohio
Miller Mfg Co 17640 Grand River Ave Detroit 27 Mich
Millers Falls Co 57 Wells St Greenfield Mass
Miller & Smith Mfg Co 500 Phoenix Ave N W Albuquerque N Mex
Miller Tilt-Top Trailer Inc 452 S 92nd St Milwaukee 14 Wis
Miller Tool & Mfg Co 1725 16th St Detroit Mich
Miller Trailers Inc 333 Sixth Ave W Bradenton Fla
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Milsco Mfg Co 2758 N 33rd St Milwaukee 45 Wis
Milwaukee Brush Mfg Co 2236 N 30th Street Milwaukee 45 Wis
MILWAUKEE DUSTLESS BRUSH CO 530 N 22nd St Milwaukee 3 Wis
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Milwaukee Spring Co Div Illinois Coil Spring Co 3400 S Nevada St Milwaukee 7 Wis
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Mirro Aluminum Co Manitowoc Wis
Mirror Bright Polish Co 365 N Altadena Blvd Pasadena Calif
Mississippi Tank Co Inc PO Box 1391 Hattiesburg Miss
Mitchell Bradford Chemical Co Wampus Lane Milford Conn
Mitchell Co John E 3800 Commerce St Dallas Texas
Mitchell Industrial Tire Co Inc 1400 E 40th St Chattanooga Tenn
Mitchell Metal Products Inc 6501 Cedar Ave Cleveland 3 Ohio
Mitchell Specialty Div Industrial Enterprises Inc Shelmire & Edmund Sts Philadelphia 36 Pa

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MOBIL OIL CO 150 E 42nd St New York 17 N Y
Mobile Storage Div Dolin Metal Products Inc 317 Lexington Ave Brooklyn 16 N Y
Modern Atlas Corp 911 Commerce Bldg Worcester 8 Mass
Modern Auto Body Builders Co 200 Walworth St Brooklyn 5 N Y
Modern Engineering Co 3411 Pine Blvd St Louis 3 Mo
Modern Hydraulics Inc 130 W Grand Lake Blvd W Chicago Ill
Modern Machine Works Inc 5357 S Kirkwood Ave Cudahy Wis
Modern Mfg Co 680 Davisville Rd Willow Grove Pa
Modern Paint Co 305 Eastern Ave Chelsea 50 Mass
Modine Mfg Co 1500 De Koven Ave Racine Wis
Moeller Mfg Co 2335 Durand Ave Racine Wis
Moffatt Products Inc 3124 Washington Ave N Minneapolis 11 Minn
Moguloid Co of America 3520 W Carroll Ave Chicago 24 Ill
MOHAWK RUBBER CO 1235 Second St Akron 5 Ohio
Molded Fiber Glass Companies 4101 Benefit Ave P O Box 345 Ashtabula Ohio
Molded Materials Div Carlisle Corp Gillis Ave Ridgeway Pa
Moline Body Co 222 52nd St Moline Ill
Moline Tool Co 102 20th St Moline Ill
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Monadnock Mills 1977 First Ave San Leandro Calif
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Monarch Governor Co 2800 Tyler Rd Willow Run Mich
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Monarch Tool & Machinery Co 3235 S Racine Ave Chicago Ill
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Monmouth Products Co 6545 Carnegie Ave Cleveland 3 Ohio
Monogram Mfg Div Monogram Precision Industries Inc 8557 Higuera St Culver City Calif
Monroe Auto Equipment Co 1426 E First St Monroe Mich
Monroe Calculating Machine Co Morris Plains N J
Monroe Co Inc 10703 Quebec Ave Cleveland 6 Ohio
Monroe Mfg Co 2525 S Dort Highway Flint 7 Mich
Monroe Standard Inc 217 Wyandot Bldg Galion Ohio
Montgomery Co E R 2500 St Louis St New Orleans 19 La
MONTGOMERY-WARD & CO Chicago Ave & Larrabee Chicago Ill
Montpelier Mfg Co Montpelier Ohio
Montrose Div Bendix Corp South Montrose Pa
Moog Industries Inc 6565 Wells Ave St Louis 33 Mo
Moore & Co Samuel Mantua Ohio
MORCO INC 22201 Aurora Rd Bedford Ohio
Morganite Inc 3302 48th Ave Long Island City 1 N Y
Morgan Wheel & Equipment Co 2007 St Mary's Ave Omaha 2 Neb
Morris Machine Tool Co 983 Harriet St Cincinnati 3 Ohio
Morrison Bros Co 2401 Elm St Dubuque Iowa
Morrison International Corp PO Box 185 Station F Buffalo 12 N Y
MORRISON STEEL PRODUCTS INC 601 Amherst St Buffalo 7 N Y
Morris Paint & Varnish Co 1823 Washington Ave St Louis 3 Mo
Morse Body Mfg Co 69 Howard St Watertown 72 Mass
Morse Chain Co Div Borg Warner Corp Ithaca N Y
Morse Twist Drill & Machine Co 163 Pleasant St New Bedford Mass
Morysville Body Works Inc 815 S Reading Ave Boyertown Pa
Motive Equipment Mfrs Inc 5253 Roosevelt Rd Chicago 50 Ill
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Moto Gard Co 1104 W Carbarrus St Raleigh N C
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Multi Clean Products Inc 2277 Ford Parkway St Paul 16 Minn
Multi Color Process Co 317 S Quincy St Tulsa Okla
Muncie Parts Mfg Co 342 N Pershing Dr Muncie Ind
Municipal Supply Co 2508 S Main St South Bend 32 Ind
Murphy Body Inc Herring Ave Wilson N C
Murray Corp E Joppa Rd Towson 4 Md
Muskegon Piston Ring Co Muskegon Div Sixth & Alpha Sts Muskegon Mich
Muskegon Tool Industries Inc 111th & Western Aves Muskegon Mich
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National Adhesives Div National Starch Products Inc 270 Madison Ave New York 16 N Y
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National Compress Corp 933 W Lake St Chicago 7 Ill
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National-Detroit Inc 2810 Auburn St Rockford Ill
National Gas Equipment Co P O Box 122 Denison Texas
National Ignition Mfg Co 88-06 Van Wyck Expressway Jamaica 18 N Y
National Lead Co 111 Broadway New York 6 N Y
National Lock Co 1902 Seventh St Rockford Ill
National Machine Products Co 44225 Utica Rd Utica N Y
National Machine & Tool Co 4077 Page Ave Jackson Mich
National Machine Works Inc 1800 S Broadway Oklahoma City 9 Okla
National Malleable & Steel Castings Co 10600 Quincy Ave Cleveland 6 Ohio
National Pneumatic Co 125 Armory St Boston 19 Mass
National Refining Co Standard Bldg Cleveland 1 Ohio
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Nauman Mfg Co R F 222 Chicago St Buffalo 4 N Y
Neapco Products Inc South & Cross Sts Pottstown Pa
Neff Perkins Co 33 Stage St Painsville Ohio
Neiman Steel Equipment Co 2960 E Venango St Philadelphia 34 Pa
Neleco Products Inc 255 Medford St Malden 48 Mass
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Product listings begin on page 53

Nilsson Gage Products Inc Boice Rd Hyde Park N Y
Nimrod Equipment Corp Div of Ward Mfg Corp 1530 Spring Grove Ave Cincinnati Ohio
Nixdorf-Krein Mfg Co 916 Howard St St Louis 6 Mo
Noco Co Box 783 Cleveland 22 Ohio
Nogues Body Co 1332 S Ogden Drive Los Angeles 19 Calif
No-Kro Co PO Box 178 Chanute Kan
Nolvex File Co 10329 Detroit Ave Cleveland Ohio
Nopak Div Gallane-Herring Mfg Co 2753 S 31st St Milwaukee 46 Wis
Nordson Corp Jackson St Amherst Ohio
Norgren Co C A 3400 S Elati St Englewood Calif
Norlipp Co 5925 S Low Ave Chicago 21 Ill
Norma-Hoffmann Bearings Corp Hamilton Ave Stamford Conn
North American Smelting Co Marine Terminal Wilmington Del
Northeast Industries Inc 282 Greenwood Ave Midland Park N J
Northern Engineering Works 210 Chene St Detroit 7 Mich
Northern Tube Co Pinconning Mich
Northwest Chemical Co 9310 Roselawn Ave Detroit 4 Mich
Northwest Engineering Co Field Bldg 135 South LaSalle St Chicago 3 Ill
Norton Co 1 New Bond St Worcester 6 Mass
Norwin Trailer Div Northern Indiana Steel Supply Co Inc Michigan City Ind
No-Sag Spring Co 124 W State Fair Detroit 3 Mich
Novelty Carriage Works Inc 815 Second Ave Spokane 4 Wash
Novi Sales & Service Co Inc 20830 Coolidge Hwy Oak Park Mich
F A Nugier Co 6374 Arizona Circle Los Angeles 45 Calif
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Nutting Truck & Caster Co 1201 W Division St Faribault Minn
Nu-Wipe-Lacquerwax Inc Webster's Mill 57 N Washington St Plainville Conn
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Nylok Corp 611 Industrial Ave Paramus N J

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Ohio Decalcomania Co 4103 E 100 St Cleveland 5 Ohio
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Ohio Hoist Mfg Co 321 S Beaver St Lisbon Ohio
Ohio Oil Co Findlay Ohio
Ohio Parts Inc 307 Perry St Defiance Ohio
Ohio Piston & Machinery Co 5340 Hamilton Ave Cleveland 14 Ohio
Ohio Rubber Co 300 Ben Hur Ave Willoughby Ohio
Oildex Corp 418 E Second St Tulsa Okla
Oil-Dri Corp of America 520 N Michigan Ave Chicago Ill
Oilgear Co South 16th at West Pierce St Milwaukee Wis
OLDSMOBILE DIV GENERAL MOTORS CORP Lansing 21 Mich
Olin Mathieson Chemical Corp Industrial Chemical Div Mathieson Bldg Baltimore 3 Md
Olin Mathieson Chemical Corp Metals Div 400 Park Ave New York N Y
The Oliver Corp 400 W Madison St Chicago 6 Ill
The Oliver Corp Cleveland 17 Ohio
A B Oliver Corp Farquhar Div 142 N Duke St York Pa
Oliver Iron & Steel Corp 1001 Muriel St Pittsburgh Pa
R P Olsen & Son 920 N 24th St Omaha Neb
Olson Corp J B 600 Old County Rd Garden City N Y
Omaha Body & Equipment Co 3015 Taylor St Omaha 11 Neb
Omaha Standard 2401 W Broadway Council Bluffs Iowa
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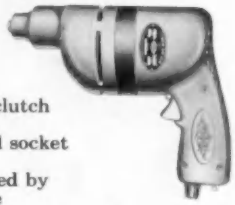
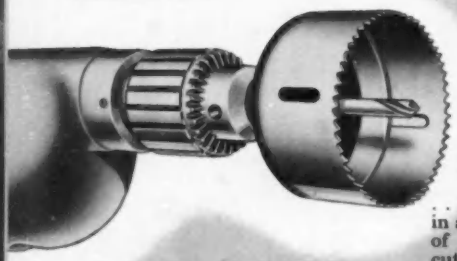


No. 242

It fits the hand, and operates in restricted space like no other electric screwdriver. It quickly drives or removes all types of screws. No. 242 has a positive clutch; the operator controls the tightness by the amount of pressure applied. No. 246 has an adjustable clutch, so that it can be preset for any uniform degree of tightness desired.



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Pacific Piston Ring Co 1410 S Los Angeles St Los Angeles 15 Calif
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Peerless Chain Co Front & Walnut Sts Winona Minn
Peerless Trailer Co Portland Ore
Peneton Co 74 Hudson Ave Tenafly N J
Penetred Corporation Oakland 8 Calif
Penn Brass & Copper Co 3837 W 20th St Erie Pa
Pennsylvania Refining Co 2686 Lisbon Road Cleveland 4 Ohio
Pennsylvania Tire Co P O Box 377 Mansfield Ohio
PENNZOIL CO SOUTH PENN OIL CO Drake Theatre Bldg Oil City Pa
Penray Co 1532 W Fulton St Chicago 7 Ill
Peoples Co 712 Buffington St Huntington 2 W Va
Pep Mfg Co 33 W 42nd St New York N Y
PERFECT CIRCLE CORP 552 S Washington St Hagerstown Ind
Perfect Equipment Corp 804 W Morgan St Kokomo Ind
Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
PERFECTION DIV OF HUPP CORP 1135 Ivanhoe Rd Cleveland 10 Ohio
Perfection Steel Body Co S East St Galion Ohio
Perfect Parts Inc 43 W 23rd St New York 10 N Y
Perfex Corp 500 W Oklahoma Ave Milwaukee 7 Wis
Performance Measurements Co 15301 W McNichols Rd Detroit 35 Mich
Permacel U S Highway 1 New Brunswick N J
Permafuse Corp 675 Main St Westbury N Y
Permalux Co 500 Rathbone Ave Aurora Ill
PERMATEX CO 300 Broadway Huntington Station New York N Y
Permold Co 820 W Liberty St Medina Ohio
Permo Products Corp 1629 Platte St Denver 2 Colo

Product listings begin on page 53

Permutit Co 50 W 44th St New York 36 N Y
Perry Batteries 3102 Corunna Rd Flint 3 Mich
Perry Filter Div R M Hollingshead Corp 840 Cooper St Camden 2 N J
Persons-Majestic Mfg Co 54 Commercial St Worcester Mass
Pesco Products Div Borg Warner Corp 24700 N Miles Rd Bedford Ohio
Peterbilt Motors Co 107th Ave & MacArthur Blvd Oakland 5 Calif
Peters-Dalton Inc 17924 Ryan Road Detroit 12 Mich
Peterson Co Paul 1313 W Randolph St Chicago 7 Ill
Peterson Mfg Co De Witt Neb
Peterson Mfg Co 2716 E 14th St Kansas City 27 Mo
Petroleum Solvents Corp 331 Madison Ave New York 17 N Y
Pettibone Mulliken Corp 4700 W Division St Chicago 51 Ill
P-F Automotive Div H K Porter Inc 74 Foley St Somerville 43 Mass
Philadelphia Gear Corp King of Prussia Pa
Phillips Mfg Co 3475 Touhy Ave Chicago 45 Ill
PHILLIPS MFG CO 3200 Grand Ave S Minneapolis 20 Minn
PHILLIPS PETROLEUM CO Bartlesville Okla
Photocon Research Laboratories 421 N Altadena Dr Pasadena 8 Calif
Pick Mfg Co West Bend Wis
Pickwick Co 1111 Glass Rd N E Cedar Rapids Iowa
Pierce Auto Body Works Inc 315 S Pierce Ave Appleton Wis
Pierce Governor Co 1625 Ohio Ave Anderson Ind
Pierce Trailer & Equipment Co 1306 S E Ninth Ave Portland 14 Ore
Lawrence Piller Inc 1867 Flatbush Ave Brooklyn 10 N Y
Pilot Mfg Co Battle Creek Mich
Pioneer Air Compressor Co 120 Chambers St New York 7 N Y
Pioneer-Central Div Eclipse-Pioneer Div Bendix Aviation Corp Davenport Iowa
Pioneering Motor Bearing Co 116 Beacon St South San Francisco 9 Calif
Pioneer Products Div of Witco Chemical Co 75 E Wacker Dr Chicago 1 Ill
Pirsch & Sons Co Peter 1308 35th St Kenosha Wis
Pit-Bar Mfg Co 3311 E 45th St Los Angeles 58 Calif
Pittsburgh Plate Glass Co (Brush Div) 3221 Frederick Ave Baltimore 29 Md
PITTSBURGH PLATE GLASS CO FIBER GLASS DIV 1 Gateway Center Pittsburgh 22 Pa
Pittsburgh Plate Glass Co Paint Div 1 Gateway Center Pittsburgh 22 Pa
PITTSBURGH PLATE GLASS CO SAFETY GLASS DIV 1 Gateway Center Pittsburgh 22 Pa
Pittsburgh Steel Co 1600 Grant Bldg Pittsburgh 30 Pa
Planet Metal Products Corp 964 Dean St Brooklyn 38 N Y
Plant Maintenance Inc 623 Green Rd Cleveland 21 Ohio
Plastikote Inc 9801 Harvard Rd N W Cleveland 5 Ohio
Plews Oiler Inc 701 S 7th St Minneapolis 15 Minn
Plumbium Mfg Corp 905 Board St Bristol Tenn
Plummer Spray Equipment Co 700 Filmore St Napoleon Ohio
PLYMOUTH DE SOTO VALIANT DIV CHRYSLER CORP 6334 Lynch Rd Detroit 31 Mich
Pneumatic Drop Hammer Co 200 Adams St Braintree 84 Mass
Pointer-Williamette Co PO Box 368 Edmonds Wash
Polar Hardware Mfg Co 3822 Lawrence Ave Chicago 25 Ill
Polaris Products Inc 1006 S Barclay St Milwaukee Wis
Pol-Flo Paint Sprayer Corp 1412 16th St Sacramento Calif
Pollak Corp Joseph 75 Freeport St Boston 22 Mass
Pollard Co C E 14571 Schaefer Rd Detroit 27 Mich
POLLOCK INDUSTRIES INC S Keim St Pottstown Pa
Polymer Corp 2120 Fairmont Ave Reading Pa
Polyplastic Forms Inc Grazza Blvd Farmingdale Long Island N Y
Pontiac Motor Div General Motors Corp Pontiac 11 Mich
Portable Electric Tools Inc 320 W 83rd St Chicago 20 Ill
Portable Elevator Mfg Co 920 E Grove St Bloomington Ill
Portable Lift Trucks Inc 2861 Sidney Ave Cincinnati 25 Ohio
Portable Light Co 216 William St New York N Y (38)
Porter-Cable Machine Co 700 Marcellus St Syracuse 4 N Y

Here's how Champion "know improve efficiency and

Exclusive Technical Help

If your fleet has an ignition problem, Champion will help you solve it. At your request, a Champion Field Engineer will call on your fleet. Working with your mechanics, he will pass along the latest ignition "know how" to help your fleet improve efficiency and reduce maintenance costs.

Use this exclusive technical help. Just call your Champion sales representative or supplier, or write Technical Service Dept., Champion Spark Plug Company, Toledo 1, Ohio.

CHAMPION *Service Tips* for better engine performance

Tips on solving engine overheating problems

Before you undertake major repairs to correct engine overheating, make the following checks:

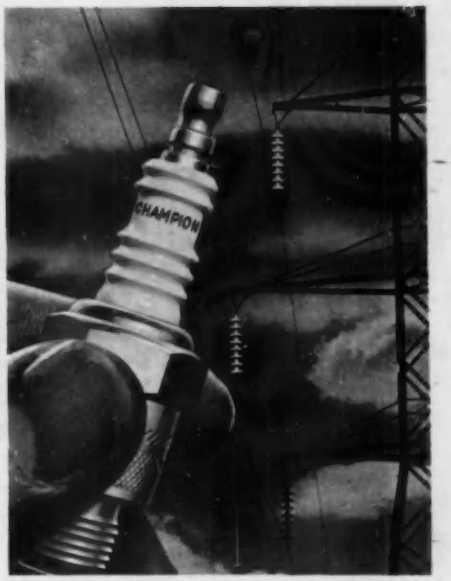
1. Make sure all drive belts are properly tensioned
2. See if radiator cap releases pressure at specified PSI
3. Check engine idle speeds to see if they are set to the proper specifications
4. Make sure radiator and hoses are leakfree
5. Check the water flow. When normal engine operating temperatures are attained, carefully remove the radiator cap and observe the coolant in the radiator. If water circulation can't be seen when the engine is slightly accelerated, check the thermostats for proper operation
6. Check the tightness of the pulley hub on the water pump and check water pump gasket

By quickly going over these important check points, you might save time and the expense of making unnecessary major repairs.

how" can help your fleet reduce maintenance costs

Specific Engine Design

Champion specifically designs spark plugs to meet the requirements of *every* engine and operating condition. That's why you get maximum protection against fouling, and long plug life with Champions in all your engines.

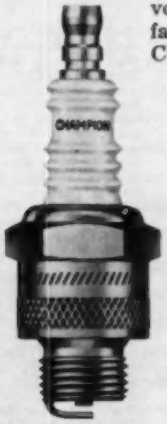


Exclusive 5-Rib Insulator

Champion's exclusive 5-rib insulator is designed on the principle of powerline insulators—to prevent power-wasting voltage "flashover." That's why you get fast starting and long battery life with Champions in your engines.

Service Aids

You can save time and labor costs by checking spark plugs electronically, right in your engines, with a Champion Plug-Scope. Handy and easy to "read," the Plug-Scope also helps you track down various ignition problems faster.



DEPENDABLE

CHAMPION

SPARK PLUGS

CHAMPION SPARK PLUG COMPANY • TOLEDO 1, OHIO

PORTER TO SIGNAL-STAT

Porter Co H K Amco Works Pavilion Ave Riverside N J
PORTER CO H K FORGE & FITTINGS DIV Cleveland Forge Works E 3270 79th St Cleveland 4 Ohio
Porter Inc H K 74 Foley St Somerville 43 Mass
Porter Mfg & Supply Co 2836 Sunset Blvd Los Angeles 26 Calif
Portersville Stainless Equipment Corp Portersville Pa
Porto-Clinic Instruments Inc 298 Broadway New York 14 N Y
Powell Muffler Co 4235 W 42nd Pl Chicago Ill
Power Brake Equipment Co 1632 S E 11th St Portland 14 Ore
Power Brake Parts Mfg Co 3441 S Racine Ave Chicago 8 Ill
Powercraft Corp 2515 S Wabash Ave Chicago Ill
Power Master Sales Co 3615 Cottage Grove Ave Des Moines Iowa
Power Pak Products Inc 43 Pearl St Buffalo 2 N Y
Power Products Corp Grafton Wis
Powers Regulator Co 3400 Oakton St Skokie Ill
Powertane Corp 75 E Wacker Drive Suite 1700 Chicago 1 Ill
PRACTICAL MFG CO 2840 4th Ave S Minneapolis 8 Minn
Practical Products Co 2632 Nicollet Ave Minneapolis 8 Minn
Pratt & Lambert Inc 75 Tonawanda St Buffalo 7 N Y
Pratt Muffler Div of Mar Pro Inc 168 N Michigan Ave Chicago Ill
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Precise Products Corp 3715 Blue Ribbon Rd Racine Wis
Precision Automotive Components Co Manchester & Henry Sts Manchester Mo
Precision Extrusions 720 E Green Ave Bensenville Ill
Precision Steel Warehousing 3500 N Wolf Rd Franklin Park Ill
Precision Thermometer & Instrument Co 1434 Brandywine St Philadelphia 30 Pa
Precision Tube Co Church Rd & Wissahickon Ave N Wales Pa
Precision Universal Joint Corp 615 S California Ave Chicago 12 Ill
Precision Welder Mfg Co 2218 W Lake St Chicago 12 Ill
Preco Inc 6300 Slauson Los Angeles 22 Calif
Preferred Electric & Wire Co Bush Terminal Bldg #8 Brooklyn 32 N Y
Premier Mfg Co 4434 S E 25th Ave Portland 2 Ore
Pressed Steel Tank Co 705 N Pennsylvania Wilkes-Barre Pa
Presstite Div American-Marietta Co 3738 Chouteau St St Louis 10 Mo
Pressure Wash Mfg Inc 2333 W Wells St Milwaukee 3 Wis
Prestole Corp 1351 Miami St Toledo 5 Ohio
Prest-O-Lite Battery Div Electric Autolite Co Toledo 1 Ohio
Price Battery Corp Grand St Hamburg Pa
Prime Battery Mfg Co 2001 W 8th St Anderson Ind
Prior Products Co 4828 Racell St Dallas Texas
Prismo Safety Corp Huntington Pa
Process Design Co 131 E 21st St Brooklyn 26 N Y
Production Devices Inc Davis St Whitehall N Y
Progress Mfg Co Oil Equipment Div Arthur Ill
Thomas Prosser & Son Felter Bldg Tenafly N J
Protecto Safety Glass Co 82-04 Cooper Ave Brooklyn 27 N Y
Protectoseal Co 1920 W Western Ave Chicago 8 Ill
Proto Tools Company 2209 Santa Fe Ave Los Angeles 54 Calif
Providence Body Co 750 Wellington Ave Cranston R I
Prufcoat Laboratories Inc 63 Main St Cambridge 42 Mass
Prutsman Defrosto Mirrors Inc 660 S Myers St Los Angeles 23 Calif
Pullman Vacuum Cleaner Corp Dept A 25 Buick St Boston Mass
Pure Carbon Co 441 Hall Ave St Marys Pa
PURE CARBONIC CO DIV OF AIR REDUCTION CO INC 150 East 42nd St New York 17 N Y
PURE OIL CO 35 E Wacker Drive Chicago 1 Ill
Purfex Mfg Co Box 118 Collegeville Pa
Puritas Metal Products Co 16116 Puritas Rd Cleveland 35 Ohio
Purolator Products Inc 970 New Brunswick Ave Rahway N J
Pyle-National Co 1334 N Kostner Ave Chicago 51 Ill
Pyroil Co 122 N Main St La Crosse Wis

Q

Quaker City Iron Works Aramingo & Ontario Sts Philadelphia 34 Pa
Quaker State Oil Refining Corp Oil City Pa
Quality Tools Corp Railroad St New Wilmington Pa
Quick Charge Div Line Scale Co 3737 N W 37th St Oklahoma City Okla
Quickee Products Inc 141 Woodworth Ave Yonkers N Y
Quigley Co 415 Madison Ave New York 17 N Y
Quincy Compressor Co 217 Maine St Quincy Ill
Quitslund Bodies & Equipment PO Box 396 North Bend Wash

R

R B Co Quinotte & Euclid Sts Kansas City 20 Mo
R-B-M Controls Div Essex Wire Corp 131 Godfrey St Logansport Ind
R V Jack Corp PO Box 205 Arcade N Y
Radiator Seal Co 625 Sixteenth Ave Council Bluffs Iowa
Radiator Specialty Co 1400 W Independence Blvd Charlotte 1 N C
Radio Corp of America Mobile Communications Equip Commercial Electronics Dept Camden N J
Radson Engineering Corp Macon Ill
Rajah Co 35 Verona Ave Newark 4 N J
RAMCO DIV THOMPSON-RAMO-WOOLDRIDGE INC 3693 Forest Park Blvd St Louis 8 Mo
Rampe Mfg Co 14915 Woodworth Ave Cleveland 10 Ohio
RAMSEY CORP 3693 Forest Park Blvd St Louis 8 Mo

RAMSEY CORPORATION

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RAMSEY CORPORATION
3693 Forest Park Boulevard
St. Louis 8, Missouri

Ramsey Products Corp 55 Broadway Menands Albany N Y
Ramsey Winch Mfg Co 5531 E Admiral Pl Tulsa Okla
Randall Co 5000 Spring Grove Ave Cincinnati 32 Ohio
Randall Products Mfg Co 2095 Broadway New York 23 N Y
Ransburg Electro-Coating Co Box 23122 Indianapolis 23 Ind
Ransohoff Inc N 5th St at Ford Blvd Hamilton Ohio
Ransom Brush Co 1051 W Division St Chicago 22 Ill
Rapids-Standard Co 100 Rapistan Bldg Grand Rapids 2 Mich
RAVENS METAL PRODUCTS INC 1300 Market St Parkersburg W Va
Rawhide Products Co Michigan Ave Kenilworth N J
RAYBESTOS DIV OF RAYBESTOS-MANHATTAN INC Bridgeport Conn
Raybestos-Manhattan Inc Equipment Sales Div PO Box 1021 Bridgeport Conn
Raybestos-Manhattan Inc Manhattan Rubber Div 61 Willet St Passaic N J
Rayl Mfg Co 217 5th St Oakland 7 Calif
Raymond Corp 151 Madison St Greene N Y
Raymond Mfg Div Associated Spring Corp 226 S Center St Corry Pa
Reading Batteries Div Electric Autolite Co 4700 Fifth St Highway Temple Pa
Reading Crane & Hoist Corp 2140 Adams St Reading Pa
Reading Tire Machinery Co Inc 600 E El Segundo Blvd Hawthorne Calif
Realflex Products Co 335 38th St Brooklyn 32 N Y
Reardon Products 305 Cass St Peoria 2 Ill
Reasor Mfg Co 13th & Indiana Ave St Charles Ill
Rectifier Engrg Co 1803 E 7th St Los Angeles 21 Calif
Red Comet Inc Red Comet Bldg Littleton Colo
Red Devil Tools 2400 Vauxhall Rd Union N J
Red Diamond Battery Mfg Co 1415 N Adams St Peoria 3 Ill
REED CORP H B 91 Passaic St Passaic N J; 6618 Kennedy Ave Hammond Ind
Reed Mfg Co Box 1321 Erie Pa
REEVES BROS VULCAN RUBBER PRODUCTS DIV 1071 Avenue of the Americas New York 18 N Y
REFILL FILTER CO 541 15th Ave Newark 3 N J
Regal Air Corp 500 Fifth Ave New York 18 N Y
Regal Motor Products Inc 6325 Grand River Ave Detroit 8 Mich
Reiff & Nestor Co Lykens Pa
Reliable Jack Div Dayton Malleable Iron Co 1401 W 2nd St Dayton 1 Ohio
Reliance Battery Products Co 2211 S Eighth St Council Bluffs Iowa
Reliance Trailer & Truck Co 2765 16th St San Francisco 3 Calif
Reltool Corp 4540 W Burnham St Milwaukee 46 Wis
Remco Products Corp State & Hay Sts York Pa
Remington Arms Co 939 Barnum Ave Bridgeport 2 Conn
Remke Inc 28100 Grossbeck Highway Roseville Mich
Renberless Products Co 18606 Fitzpatrick Ave Detroit 28 Mich
Renie Metal Products Corp PO Box 344 Mansfield Ohio
Rennicks Co PO Box 56 Birmingham Mich
Ren Plastics Inc Lansing 9 Mich
REO DIV WHITE MOTOR CO 1331 S Washington Ave Lansing 20 Mich
Republic Engrg & Mfg Co 6565 Wells Ave St Louis 14 Mo
Republic Gear Co 20200 E Nine Mile Rd St Clair Shores Mich
Republic Hardfacing Corp 479 Broadway Bedford Ohio
Republic Rubber Div Lee Rubber & Tire Corp Albert St Youngstown 1 Ohio
REPUBLIC STEEL CORP 1441 Republic Bldg Cleveland 1 Ohio
Republic Steel Corp Berger Div 1038 Belden Ave NE Canton 3 Ohio
Republic Steel Corp Pressed Steel Div 6100 Truscon Ave Cleveland 27 Ohio
Republic Steel Corp Steel & Tubes Div 224 E 131st St Cleveland 8 Ohio
Resistoflex Corp Woodland Rd Roseland N J
REVERE COPPER & BRASS INC 230 Park Ave New York 17 N Y
Revolvator Co US Route 1 at 86th St North Bergen N J
Rexarc Incorporated West Alexandria Ohio
Rex-Hide Brake Lining Co 515 Prospect St East Orange N J
Rex Metal Parts Co 1295 W 78th St Cleveland 2 Ohio
Reynolds Electric Co 3000 River Rd River Grove Ill
Reynolds Ink Inc 4500 Euclid Ave Cleveland 3 Ohio
REYNOLDS METALS CO 6601 W Broad St Richmond 19 Va
Reynolds Mfg Co 1419 Alamo National Bldg San Antonio 5 Texas
REYNOLDS MFG CO 600 N Prospect Ave Springfield 2 Mo
Rheem Automotive Co 601 S Pacentia Ave Fullerton Calif
Rhode Island Tool Co 148 W River St Providence 1 R I
Rhodes & Co James H 1026 W Jackson Blvd Chicago Ill
RICH MFG CORP 96 N Division St Battle Creek Mich
Richards Co J A 903 N Pitcher St Kalamazoo 13F Mich
Richards Mfg Co 20 E Herman St Philadelphia 44 Pa
Richfield Oil Corp Richfield Bldg 555 S Flower St Los Angeles 13 Calif
Richmond Ring Co Souderton Pa
Richmont Inc 922 S Myrtle Ave Monrovia Calif
Ridbo Laboratories Inc 211 E Harrison St Danville Ill
Ridge Tool Co Elyria Ohio
Rigidized Metals Corp 718 Ohio St Buffalo N Y
RIKER MFG INC 4901 Stickney Ave Toledo 12 Ohio
Rinck-McIlwaine Inc 16 Hudson St New York 13 N Y
Ring-Wald Products 123 N Lowry Ave Springfield Ohio
Rinshed-Mason Co 5935 Milford St Detroit 10 Mich
Rite Tool Inc 136 Poscasset St Fall River Mass

River Smelting & Refining Co 4195 Bradley Rd Cleveland 1 Ohio
Rivette Mfg Co 1515 Rothwell Ave Houston Tex
Rivett Lathe & Grinder Inc 20 Riverview Rd Brighton Boston Mass
Roadway Mounting & Equipment Co 21177 Mound Rd PO Box 164 Warren Mich
Robbins Light Mfg Corp 420 N Michigan Ave Greenasburg Ind
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
Robinson Mfg Co 13th & Indiana Ave St Charles Ill
Rochester Gauges Inc of Texas PO Box 566 Dallas 21 Texas
Rochester Mfg Co 100 Rockwood St Rochester 10 N Y
ROCHESTER PRODUCTS DIV GENERAL MOTORS CORP 1000 Lexington Ave Rochester 3 N Y
ROCKFORD CLUTCH DIV BORG-WARNER CORP 1301 18th Ave Rockford Ill
Rockford Crescent Mfg Co 420 Buckbee St Rockford Ill
Rockford Metal Products Inc 716 Cedar St Rockford Ill
Rock Hill Body Co W Main St Rock Hill S C
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa
Rockwell-Standard Corp 843 4th Ave Coraopolis Pa
ROCKWELL-STANDARD CORP BRAKE DIV PO Box 358 Ashtabula Ohio
Rockwell Standard Corp Spring Div 500 E Ottawa St Logansport Ind
ROCKWELL-STANDARD CORP TRANSMISSION & AXLE DIV 100 Clark Ave Detroit 32 Mich
Rockwell-Standard Corp Universal Joint Div 1 Glass St Allegan Mich
Rodgers Hydraulic Inc 7401 Walker St Minneapolis 26 Minn
Roebling's Sons Corp John A 640 S Broad St Trenton N J
Roeper Crane & Hoist Works 1720 N 10th St Reading Pa
ROGERS BROS CORP Orchard St Albion Pa
Rogers Corp Rogers Conn
Rolline Div Waukesha Motor Co W St Paul Ave Waukesha Wis
Roller Bearing Co of America Sullivan Way West Trenton N J
Roll Formed Products Co 3765 Oakwood Ave Youngstown Ohio
Roll-O-Matic Co Wyandotte St Kansas City 5 Mo
Rollway Bearing Co 541 Seymour St Syracuse 4 N Y
Romort Mfg Co Oakfield Wis
Root Co B M Prospect & Sherman Sts York Pa
Root Spring Scraper Co 527 W North St Kalamazoo 11 Mich
Roper Hydraulics Inc PO Box 269 Commerce Ga
Rosan Inc 2901 W Coast Highway Newport Beach Calif
Rossaul Co 170 Fifth Ave New York 10 N Y
Ross Gear & Tool Co Inc 800 Heath St Lafayette Ind
Ross Operating Valve Co 120 E Golden Gate Ave Detroit 3 Mich
ROSS & WHITE CO 400 W Madison St Chicago 6 Ill
Rotary Lift Co 1054 Kansas St Memphis 2 Tenn
Rotax Mfg Co 175 Ridge St Newark 4 N J
Roto-Beam 1755 N Keeler St Chicago 39 Ill
Rotor Tool Co 23600 Lakeland Blvd Cleveland 32 Ohio
Rottler Boring Car Co 1727 First Ave S Seattle 4 Wash
Round & Son David PO Box 198 Cleveland 39 Ohio
Rovtar Tool-Die Mfg Co 2230 S Wood St Chicago 8 Ill
Rowe Methods Inc 2534 Detroit Ave Cleveland 13 Ohio
Royal Electric Corp 95 Grand Ave Pawtucket R I
Royal Engineering Co Pleasant Plains Ill
Royal McBee Corp Data Processing Div Port Chester N Y
Royal Oak Tool & Machine Co 29800 Stephenson Highway Royal Oak Mich
Royal Tools Inc 107 York Street Hanover Pa
Roylyn Inc 620 Paula Ave Glendale 1 Calif
Rubatex Division Great American Industries Inc Bedford Va
Rubberhide Co Inc Box 621-C Trenton N J
Ruberoid Co 500 5th Ave New York 36 N Y
Ruger Equipment Inc 615 W 4th St Uhrichsville Ohio
Ruggles-Klingeman Mfg Co Foster Court Salem Mass
Rupert Parachute Co Wheeling Ill
Ruscoe Co W J 483 Kenmore Blvd Akron 1 Ohio
Rush Mfg Co E S 499 San Fernando Rd Los Angeles 31 Calif
Russell Mfg Co E Main St Middletown Conn
Russell Mfg Co John M 900 Rubber Ave Naugatuck Conn
Ruse Master Chemical Corp 56 Creighton St Cambridge Mass
Rust Master Chemical Corporation 175 Union St Worcester 8 Mass
Ryan Recording Thermometer Co 847 Poplar Place Seattle 44 Wash
Ryder Mfg Co 220 N Ada St Chicago 7 Ill
Ryder Truck Rental Div Ryder System Inc Box 33-816 Miami Fla
Ryerson & Son Inc Joseph T 16th & Rockwell Sts Chicago Ill

S

SFR Enterprises 5812 N Oak St Trafficway Kansas City 16 Mo
SKF Industries Inc Front St & Erie Ave Philadelphia 32 Pa
S & M Lamp Co 2369 E 51st St Los Angeles 54 Calif
S-P Mfg Corp 30201 Aurora Rd Solon Ohio
Saco Lowell Automotive Div Saco Lowell Shops 10340 Putnam Ave Detroit Mich
Safetee Glass Co 4717 Stenton Ave Philadelphia 44 Pa
Safety Fire Extinguisher Co 293 7th Ave New York 1 N Y
Safety First Products Corp 175 Saw Mill River Road Elmsford N Y
Safety Signal Sales Co 15 Hinckley Rd Waban 68 Mass
Safety Speed Control Co 7800 N E Fourth Court Miami 38 Calif
Sage Equipment Co 30 Essex St Buffalo 13 N Y
SAGINAW DIV EATON MFG CO 1000 Rust St Saginaw Mich
Saginaw Industries Co 2119 S Jefferson Ave Saginaw Mich
Saginaw Products Corp 68 Williamson St Saginaw Mich
SAGINAW STEERING GEAR DIV GENERAL MOTORS CORP 3900 Holland Rd Saginaw Mich
St Pierre Chain Corp Frank St Worcester Mass
Sal Metal Products Co 120 Freeman St Brooklyn 22 N Y
Salsbury Corp 1161 E Florence Ave Los Angeles 1 Calif
Sampson Safety Products Co PO Box 167 Clinton N C
Sandusky Abrasive Wheel Co Park & Borden Sycamore Ill
Sangamo Electric Co Converse & N 10th St Springfield Ill
Santa Anita Mfg Corp 4961 N Double Dr Temple City Calif
Santay Corp 351 N Crawford Ave Chicago 24 Ill
Santeler Bros 950 E Main St Columbus 5 Ohio
Saugen Derrick Co 3101 Grand Ave Chicago 22 Ill
Save Lamp Co 3687 Ash St Baltimore 11 Md
Savereisen Cements Co Sharpsburg Pittsburgh 15 Pa
Sav-T-Engineering Co 316 Beach Ave Inglewood 3 Calif
Saylor-Beall Mfg Co St Johns Mich
Scaife Co Kellogg-American Div Ann Street Oakmont Pa (Pittsburgh District)
Scammell & Sons 116 Quincy Ave Quincy 69 Mass
SCANDINAVIA DIV OF SCANDURA CORP 112 Keswick Ave Charlotte N C
Schafer Plow Co 28 Simpson St Pratt Kansas
Schatt Metal Products Co 2225 Lee Rd Akron 6 Ohio
Schatz Mfg Co Poughkeepsie N Y
Schauer Manufacturing Co 4533 Alpine Ave Cincinnati 42 Ohio
Schayer & Badinger Inc 2841 Tchoupetoulos St New Orleans 15 La
Schertzer Equipment Co 32 Prospect St Somerville 28 Mass
Schield Bantam Co Waverly Iowa
Schlegel Mfg Co 1555 Jefferson Rd Rochester 23 N Y
Schmieg Industries Inc 29330 Sherwood St Detroit Mich
Schnabel Co The 10th & Muriel Sts Pittsburgh 3 Pa
Schodorf Body & Equipment Co 370 W State St Columbus 22 Ohio
Schofield Inc E L 2230 Seventh Ave Rockford Ill
Schofield Mfg Co 1140 E 222nd St Cleveland 17 Ohio
SCHRADER'S SON A Div of Scovill Mfg Co 470 Vanderbilt Ave Brooklyn 38 N Y
Schramm Inc Virginia & Garfield Aves West Chester Pa
Schuylkill Trailer & Equipment Co Inc St Clair Blvd Pottsville Pa
Schwan Engineering & Mfg Co 534 W Arlington Ave St Paul 17 Minn

Product listings begin on page 53

Schwartz Mfg Co Lester Prairie Minn
Schwartz Rubber Corp 3708 Payne Ave Cleveland 14 Ohio
Schwitzer Corp 1125 Massachusetts Ave Indianapolis 7 Ind
Scintilla Magneto Div Bendix Aviation Sidney N Y
Scott Air Compressor Co 4682 Mulberry St Philadelphia 24 Pa
Scott-Atwater Mfg Co 2901 E Hennepin Ave Minneapolis 13 Minn
Scovill Mfg Co 99 Mill St Waterbury 20 Conn
Scranton Cellomatic Battery Co Delaware St Archbald Pa
Screenmasters 128 32nd St Brooklyn 32 N Y
Scully Signal Co 174 Green St Melrose 76 Mass
Seagrave Corp 2000 S High St Columbus Ohio
Sealco Air Brakes Inc 13530 Nelson City of Industry Calif
SEALED POWER CORP 2001 Sanford St Muskegon Heights Mich
Sealol Corp Warwick Industrial Park Providence 5 R I
Seaman-Gunnison Corp 2763 S 27th St Milwaukee 15 Wis
Seaman Products Div Seaman Paper Co 1236 Sherman Ave Evanston Ill
Sears Roebuck & Co Arthington & Homan Aves Chicago Ill
Seco Engrg & Mfg Co Inc 1300 W Fort St Detroit 26 Mich
Security Locknut Corp 1800 N 15th Ave Melrose Park Ill
SEIBERLING RUBBER CO 345 Fifteenth St N W Akron Ohio
Seiberling Rubber Co Plastics Div Newcomerstown Ohio
Sellers Injector Corp 1600 Hamilton St Philadelphia 30 Pa
Selma Trailer & Mfg Co 3111 Highway 99 Selma Calif
Sensation Mower Inc 7577 Burlington St Ralston Neb
Servall Truck Body Mfg Co 4838 Cermak Rd Cicero Ill
Service Products Corp 201 S Rural St Indianapolis 1 Ind
SERVICE RECORDER CO 1013F Rockwell Ave Cleveland 14 Ohio
Service Spring Co 701 St Paul St Indianapolis 6 Ind
Service Supply Co 1115 7th St Denver 4 Colo
Servwell Products Co 6519 Euclid Ave Cleveland 3 Ohio
Set Screw & Mfg Co 270 Main St Bartlett Ill
Severance Tool Industries Inc 710 Iowa Rd Saginaw Mich
Shakeproof Div of Illinois Tool Works St Charles Rd Elgin Ill
Shaler Co Waupun Wis
Sharon Steel Corp Sharon Pa
Sharpe Mfg Co 1224 Wall St Los Angeles 15 Calif
Sharpsville Steel Fabricators Inc Sharpsville Pa
Shatterproof Glass Co 4815 Cabot Ave Detroit 10 Mich
Shaw-Box Crane & Hoist Div Manning Maxwell & Moore Inc Park & Broadway Muskegon Mich
Shaw Co Joseph 6225 Benore Rd Toledo 12 Ohio
Shaw Perkins Mfg Co E Carlson & 2nd Sts W Pittsburgh 19 Pa Special Heat Div Lawrence County
Shearcut Tool Co 7045 Darby Ave Resida Calif
Sheffield Bronze Paint Corp 17814 Waterloo Rd Cleveland 19 Ohio
Sheffield Corp 721 Springfield St Dayton 1 Ohio
Sheldon Machine Co 4220 N Knox Ave Chicago 41 Ill
SHELL OIL CO 50 W 50th St New York 20 N Y
Shenango Furnace Co Centrifugal Cast Products Div Dover Del
Shepard Niles Crane & Hoist Corp Montour Falls N Y
Shepard-Thomason Co 2023 W Gage Ave Los Angeles 47 Calif
Sheppard Co R H Hanover Pa
Sherman & Co Earl 2526 Wood St Oakland 7 Calif
Sherman-Klove Co 3535 W 47th St Chicago 32 Ill
Sherman Mfg Co H B 22 Barney St Battle Creek Mich
SHERWIN-WILLIAMS CO 101 Prospect Ave N W Cleveland 1 Ohio
Shovel Supply Co Box 1369 Zone 21 Dallas Texas
SHULER AXLE CO 2901 S Second St Louisville 8 Ky
Shure Mfg Co 1601 S Hanley Rd St Louis 17 Mo
Shurhit Products Inc 845 S Market St Waukegan Ill
Sicard Industries Inc 753 W Main St Watertown N Y
Sideloading Trailers Inc 20 State St Akron N Y
Siebring Mfg Co 182 Main St George Iowa
Signal Mfg Co 47 Congress St Salem Mass
SIGNAL-STAT CORP 523 Kent Ave Brooklyn 11 N Y

ACHIEVERFONE

prepare for greater profits in less than 2 hours!

"Installed in 1 hour and 42 minutes" . . . this was the recent comment of one fleet owner who had just equipped his vehicles with the new AChieverfone mobile radio-telephone by AC. Costly downtime was held to a minimum and his vehicles were back in operation quickly with an automatic increase in business potential.

Why can AChieverfone be installed so rapidly? Because, unlike other mobile phones with up to five components, AChieverfone has just two simply mounted units . . . the control head and receiver-transmitter. These two units can be installed in any car, truck or van with a single plug-in cable and 8 mounting screws. The control head goes under the dashboard, on the transmission hump or even in the glove compartment. The receiver-transmitter mounts on the trunk shelf or in the truck cab behind the driver.

Ease of installation is just one reason why AChieverfone is the best mobile phone system available today. It is also more reliable and has the lowest power drain of any comparable mobile phone. Consider AChieverfone for your own vehicles—it will repay you in greater profits.

ACHIEVERFONE

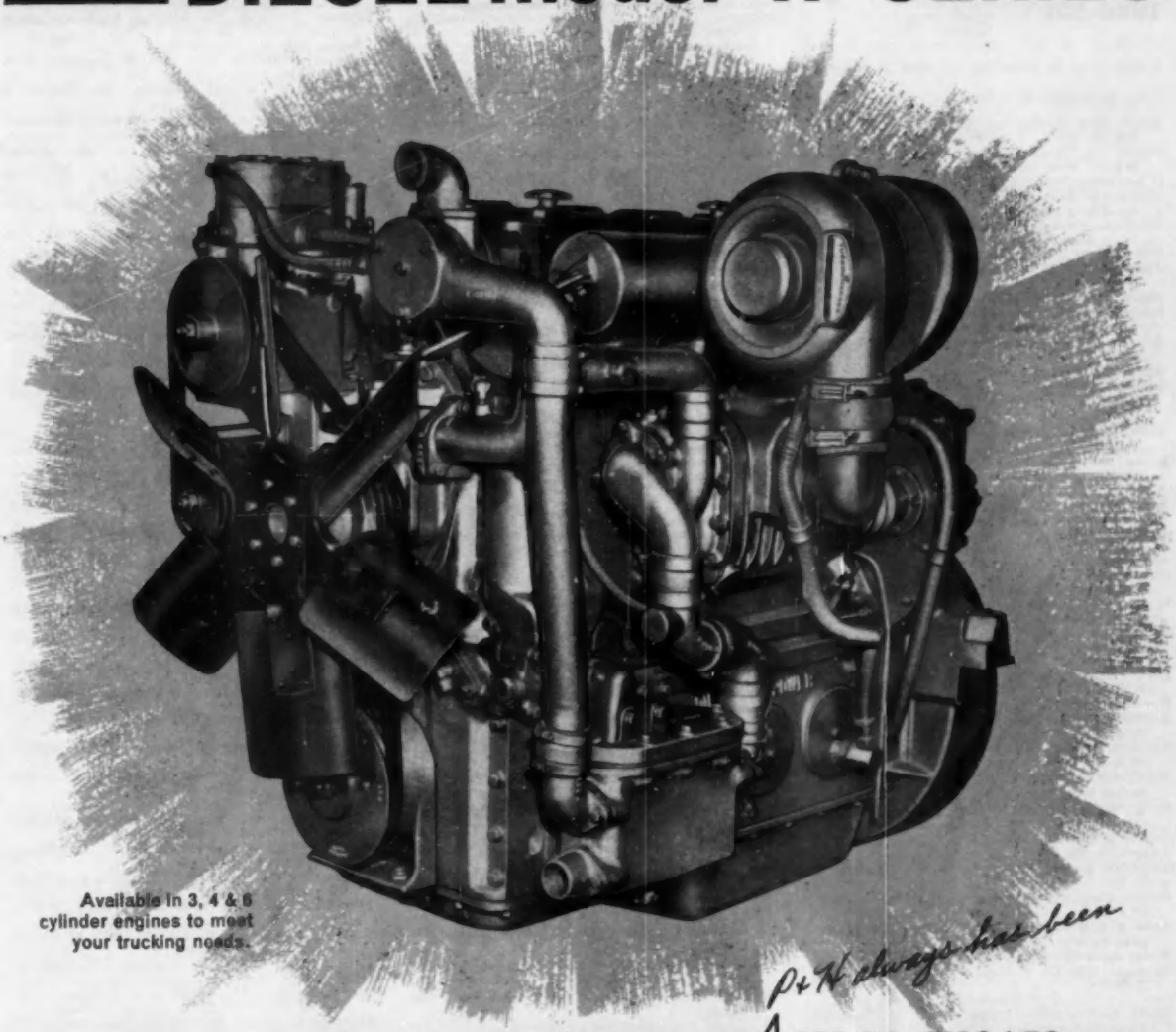
Another Versatile Product of

AC Spark Plug AC *The Electronics Division of General Motors*

Milwaukee 1, Wis. *Telephone BRoadway 3-1120*

IT'S MODERN...IT'S DIFFERENT...IT'S HOT

P&H DIESEL model "H" SERIES



Available in 3, 4 & 6 cylinder engines to meet your trucking needs.

P&H always has been

LIGHTWEIGHT ALUMINUM

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Silent Hoist & Crane Co 841 63rd St Brooklyn 20 N Y
Siloo Incorporated 9 East 45th St New York N Y
Silver Body Works Inc 78 Ingraham St Brooklyn 37 N Y
Silver Line Brake Lining Corp 5618 E Washington Blvd Los Angeles 22 Calif
Silver Seal Products Co Lincoln Park Mich
Simmonds Aerocessories Inc 105 White Plains Rd Tarrytown N Y
Simmons Fastener Corp 1749 N Broadway Albany N Y
Simmons Mfg Co Ashland Ohio
Simonds Saw & Steel Co 470 Main St Fitchburg Mass
Simonis Co 2100 Indiana Ave Chicago 16 Ill
Simplex Piston Ring Mfg Co 12301 Bennington Ave Cleveland 11 Ohio
Simplex Products Corp 3830 Kelly Ave Cleveland Ohio
Simplicity Engrg Co Durand 1 Mich
Simpson Electric Co Div of American Gage & Machine Co 5200 W Kinzie St Chicago 44 Ill
SINCLAIR REFINING CO 600 Fifth Ave New York N Y
Sinco Industries 2415 Minnehaha Ave South Minneapolis 4 Minn
Sireno Co 214 William St New York 17 N Y
Sittler Corp 18 N Ada St Chicago 7 Ill
Skagit Steel & Iron Works Sedro Woolley Wash
Skelly Oil Co Skelly Bldg Tulsa Okla
Skil Corp 5033 Elston Ave Chicago 30 Ill
Skinner Electric Valve Div Skinner Chuck Co Edgewood Ave New Britain Conn
Slifer Mfg Co Gowrie Iowa
Smalley Accessories Corp 224 W Huron St Chicago 10 Ill
Smash-Proof Co 6000 State Ave Ashtabula Ohio
Smith Corp A O 3533 N 27th St Milwaukee 1 Wis
Seymour Smith & Sons Inc Oakville Conn
Smith Welding Equipment Corp 2633 Fourth St S E Minneapolis 14 Minn
Smithy's Muffler Co 1850 N Main St Los Angeles 31 Calif
SNAP-ON TOOLS CORP 8046 28th Ave Kenosha Wis
Snugl Wheel Weight Mfg Co Div of Mid-Western Auto Parts 824 E Elm St Kokomo Ind
Snyder & Son M L Inc 1827 E York St Philadelphia 25 Pa
SNYDER TANK CORP PO Box 14 Buffalo 5 N Y
Sodrin Corp 2746 McGee Traffic Way Kansas City Mo
Soffe & Son Morris 170 W Berks St Philadelphia 22 Pa
So-Lo Jack Co Attleboro Mass
Sorenson Mfg Co P 32-21 57th St Woodside 77 N Y
Soss Mfg Co 21777 Hoover Rd Warren Mich
South Bend Lathe Works 425 E Madison St South Bend 22 Ind
SOUTH CHESTER CORP SOUTHCO DIV 228 Industrial Highway Lester Pa
Southern Chain & Mfg Co 3207 Second Ave Birmingham 4 Ala.
Southern Coach & Body Co Evergreen Ala
Southern Friction Materials Co Box 1475 Charlotte N Carolina
Southland Battery Co 2040 Amelia St Dallas Texas
Southwest Pump Co First & Center Sts Bonham Texas
SOUTH WIND DIVISION STEWART-WARNER CORP 1514 Drover St Indianapolis 7 Ind
Sparkler Mfg Co Lake St Mundelein Ill
Spar Mac Services PO Box 196 Walla Walla Wash
Spartan Aircraft Co 1900 N Sheridan Rd Tulsa Okla
SPARTON AUTOMOTIVE DIV OF SPARTON CORP Jackson Mich
Speco Inc 7308 Associate Ave Cleveland 9 Ohio
Speedi-Dri Corp Menlo Park N J
Speedmaster Ltd 3814 Piedmont Ave Oakland 11 Calif
Speedometer Service Co 151 Forest St Montclair N J
Speedo Tach Service Inc 1926 E 7th St Los Angeles 21 Calif
Speedway Machine & Tool Co 1802 N Luett St Indianapolis Ind
Speed Way Mfg Co 1421 Barnsdale Rd La-Grange Park Ill
Spee-Flo Co 6614 Harrisburg St Houston 11 Texas
Speer Carbon Co St Marys Pa
Spen & Co Henry 1995 Pitkin Ave Brooklyn 7 N Y
Spencer Div of Metals & Controls Corp 34 Forest St Attleboro Mass
Spencer Mfg Co 225 N Main St Spencer Ohio
Spencer-Safford Loadcraft Inc Augusta Kan
Sperry Products Co Div of Howe Sound Co 6200 Merriam Rd Merriam Kan
Spitzka Mfg Co 235 Cedar St North Sacramento Calif
Split Ballbearing Div of MPB Inc Lebanon N H
Spotrim Corp 15301 Mack Ave Detroit 24 Mich
SPRAGUE DEVICES INC 500 Huron St Michigan City Ind
Sprague Electric Co 344 Marshall St North Adams Mass
Sprayaway Corp of America PO Box 1102 Tulsa 1 Okla
Spray Engineering Co 100 Cambridge St Burlington Mass
Spraying Systems Co 3200 Randolph St Bellwood Ill
SPRAY PRODUCTS CORP PO Box 1988 Camden 1 N JJ
Spring Div Borg-Warner Corp Madison Ave & 25th Ave Bellwood Ill
Springfield Body & Trailer Co 1631 College St Springfield Ohio
Springfield Mfg Co Bechtle Ave & Columbia St Springfield Ohio
Springfield Wheel Puller Co 510 Hubert Ave Springfield Ohio
Sprout-Waldron & Co Inc Muncy Pa
Square D Co Executive Plaza Park Ridge Ill
Stackhouse E H 219 N 63rd St Philadelphia 39 Pa
Stackpole Carbon Co Tannery St St Marys Pa
Stacy Mfg Co Tiffin Ohio
Stahal Metal Products Inc 4750 W 160th St Cleveland 35 Ohio
Stain-Ox Co 625 E First Ave Roselle N J
Stainless Steel Products Co 1000 Berry Ave St Paul 14 Minn
Stanco Mfg & Sales Co 1666 Ninth St Santa Monica Calif
Standard Auto Body Co 4900 S Soto St Los Angeles 58 Calif
Standard Automotive Parts Co 660 Nims St Muskegon Mich
Standard Carriage Works Inc 4120 Bandini Blvd Los Angeles 23 Calif
Standard Electric Co P O Box 6356 San Antonio Tex
Standard Electric Mfg Co Haddon Ave West Berlin N J
Standard Electrical Tool Co Mt Hope & River Rd Cincinnati 4 Ohio
Standard Forge & Axle Co PO Box 309 Montgomery 2 Ala
Standard Gage Co Poughkeepsie N Y
Standard Locknut & Lockwasher Co 2250 Valley Ave Indianapolis 18 Ind
Standard Mirror Co 141 Milton St Buffalo 10 N Y
STANDARD MOTOR PRODUCTS INC 37-18 Northern Blvd Long Island City L I N Y
STANDARD OIL CO OF CALIF Western Operations Inc 225 Bush St San Francisco 20 Calif
STANDARD OIL CO (INDIANA) 910 S Michigan St Chicago 80 Ill
STANDARD OIL CO OF TEXAS El Paso Texas
Standard Portable Cord Co Mayville N Y
Standard Pressed Steel Co P O Box 395 Jenkintown Pa
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Standard Railway Fusee Corp Signal Flare Div Box 30-C Needham Heights 94 Mass
Standard Seal Co Van Wert Ohio
Standard Steel Works Inc 16th & Howell Sts North Kansas City 16 Mo
Standard Supply Co 5920 Bryant St Pittsburgh 6 Pa
Standard Thompson Co 152 Grove St Waltham Mass
Standard Toch Chemicals Inc 2600 Richmond Terrace Staten Island 3 N Y
Standard Tool Co 3950 Chester Ave Cleveland 14 Ohio
Standard Trailer Co 415 Park St San Leandro Calif
Stanley Co John T 642 W 30th St New York 1 N Y
Stanley Electric Tools Div of Stanley Works 480 Myrtle Ave New Britain Conn
Stanley Spring Works Inc 1330 N Cameron St Harrisburg Pa
Stanley Tools 111 Elm St New Britain Conn
Stanley Works (Pressed Metal Div) 195 Lake St New Britain Conn
STANT MFG CO 1620 Columbia St Connersville Ind
Staple Engrg Co 1315 S Woodward Ave Birmingham Mich
Star Cutter Co 34500 Grand River Ave Farmington Mich
Star Expansion Industries Corp Mountainville N Y
Star Machine & Tool Co 227 6th St S E Minneapolis 14 Minn
Star Products Co 200-11 Hollis Ave St Albans 12 N Y
Starrett Co L S 1 Crescent St Athol Mass
Start Pilot Corp 61 Second St Mineola N Y
Starting Fluid Co PO Box 584 Camden 1 N J
States Batteries Inc 3455 S Lacienega Blvd Los Angeles 16 Calif
Stava Mfg Co Wahoo Nebr
Stebco Industries Inc 1401 W Jackson Blvd Chicago 7 Ill
Steck Mfg Co 1312 Bolander Ave Dayton 8 Ohio
Steel-Bronze Sealing Rings Co 540 S Meridian St Indianapolis 25 Ind
Steel City Testing Machines Inc 8821 Lyndon Ave Detroit 38 Mich
Steelcote Mfg Co 3418 Gratiot Ave St Louis 3 Mo
Steffen Body Co 613 W Seventh St Sioux City 3 Iowa
Steinwach Safety Supply Co 1571 S Park Ave Buffalo N Y
Stemco Mfg Co Longview Texas
Stephens-Adamson Mfg Co 150 Ridgeway St Aurora Ill
Stephenson Industries Inc 548 E Fort St Detroit 26 Mich
Sterling Aluminum Products Inc 2600 N Third St St Charles Mo
Stevens & Co J P 24126 Woodward Ave Pleasant Ridge N J
Stevens Inc Frederick B 1800 18th St Detroit 16 Mich
Stevens Walden Inc 475 Shrewsbury St Worcester Mass
Stewart Mfg Corp F W 4311 N Ravenswood Ave Chicago Ill
STEWART-WARNER CORP INSTRUMENT DIV 1826 Diversey Parkway Chicago 14 Ill
Stimmel-Winch Co 37-24 33rd St Long Island City 1 N Y
Stimpson Co Edwin B 70 Franklin Ave Brooklyn N Y
Stimsonite Div of Elastic Stop Nut Corp of America 3445 N Kimball Ave Chicago 18 Ill
Stolper Steel Products Corp 300 Pilgrim Rd Menomonee Falls Wis
Stonhard Co 401 N Broad St Philadelphia 8 Pa
Stop-Fire Inc U S Highway 1 at Black Horse Lane New Brunswick N J
Stopler Industries Inc 300 Pilgrim Rd Menomonee Falls Wis
Storm-Vulcan Inc 2225 Burbank St Dallas 35 Texas
Stortz & Son John 210 Vine St Philadelphia 6 Pa
Stoughton Cab & Body Co 408 E South St Stoughton, Wis
Stoutco Inc Rt 15 at the Toll Rd Bristol Ind
STOW MFG CO 443 State St Binghamton N Y
Strahman Valves Inc 16 Hudson St New York N Y
Stran-Steel Div Great Lakes Steel Co Tecumseh Rd Detroit 29 Mich
Strataflex Inc 220 Roberts St Fort Worth Texas
Stratton Equipment Co 2030 E 105th St Cleveland 6 Ohio
Stream Line Tools Inc Highway 70 Conover N C
Strick Trailers Div of Fruehauf Trailer Co 5604 N Broad St Philadelphia 11 Pa
Stromgren Co 935 W 12th St Los Angeles 15 Calif
STUDEBAKER-PACKARD CORP 635 S Main St South Bend 27 Ind
Sturdi-Bilt Steel Products Inc 2501 Peterson Ave Chicago 45 Ill
Sturdilite Products Inc 2501 Peterson Ave Chicago 45 Ill
Sturges Mfg Co 2030 Sunset Ave Utica 4 N Y
Sturtevant Div 15 Damon St Hyde Park Boston 36 Mass
STURTEVANT CO P A Addison Ill
SUN ELECTRIC CORP Harlem & Avondale Chicago 31 Ill
Sun Oil Co 1608 Walnut St Philadelphia 3 Pa
SUNSTRAND HYDRAULIC DIV OF SUNDSTRAND CORP 2210 Harrison Ave Rockford Ill
Sundstrand Machine Tool Co Pneumatic Div 2531 11th St Rockford Ill
SUNNEN PRODUCTS CO 7910 Manchester Ave St Louis 17 Mo
Super Mold Corp of Calif 420 N Sacramento St Lodi 2 Calif
Superior Auto Inc 24 Sprague St Dayton 7 Ohio
Superior Auto Fabrics Co 3255 S Shields St Chicago 16 Ill
SUPERIOR COACH CORP E Kibby St & D T I RR Lima Ohio
Superior Graphite Co 1531 First National Bank Bldg Chicago 3 Ill

Superior Hone Corp PO Box 317 Erwin Tex
Superior Machine Tool Co 329 E Firmin St Kokomo Ind
Superior Mfg Co 13th & Rockland Sts Philadelphia 41 Pa
Superior Metal Products Inc Branson & 18th Sts Marion Ind
Superior Piston Ring Co 6425 Epworth Blvd Detroit 10 Mich
Superior Pneumatic & Mfg Inc 4758 Warner Rd Cleveland 25 Ohio
Superior Sheet Steel Co Canton Ohio
Superior Steel Corp 3112 Grant Bldg Pittsburgh 19 Pa
Superior Trailer Mfg Corp 1125 Georgia St Indianapolis Ind
Superior Truck & Body Co 4175 Mission St San Francisco 12 Cal
Superior Tube Co PO Box 191 Norristown Pa
Supersite Corp 300 Seymour Ave Derby Conn
Supreme Equipment Corp 12415 Euclid Ave Los Angeles 1 Calif
Supreme Steel Equipment Co 53rd St & First Ave Brooklyn 32 N Y
Sure Gauge & Lock Co Div of Waterworth Engineering 2329 Troy St Dayton Ohio
Surface Combustion Corp Janitrol Aircraft-Automotive Div 400 Dublin Ave Columbus Ohio
Surrette Storage Battery Co Jefferson Ave Salem Mass
Sutton Engineering Co First National Bank Bldg Pittsburgh 22 Pa
Sutton Corp O A 1812 West 2nd St Wichita 1 Kan
Swab Wagon Co 21 S Callowhill St Elizabeth Pa
Swan Rubber Co 436 E Mansfield St Bucyrus Ohio
Swartz Products Inc 1230 W School St Chicago 13 Ill
Swavely Chemical & Varnish Works 831 Page St Flint 5 Mich
Swedish Gage Co of America 10641 Haggerty Ave Dearborn 1 Mich
Sweeney Mfg Co B K 6300 E 44th St Denver 16 Colo
Sweetland Corp 940 N Fair Oaks Ave Pasadena Calif
Sweitzer Equipment Co 3764 Ridge Rd Cleveland 9 Ohio
Swift Ohio Corp 800 S Leighton St Kenton Ohio
Swiss Laboratory 1533 Hamilton Ave Cleveland 14 Ohio
Switches Inc 317 E Ontario St Chicago 11 Ill
Sylvania Electric Products Inc Lighting Div 60 Boston St Salem Mass
Synchro-Start Products Inc 8151 N Ridgeway Ave Skokie Ill
Syntron Co 496 Lexington Ave Homer City Pa
Syracuse Gauge Co 113 S Midler Ave Syracuse 6 N Y

T

TEC Div Heil Co 1285 W 70th St Cleveland 2 Ohio
T & H Mfg Co 811 E 31st St Kansas City 3 Mo
Tacony File & Hardware Co 2814 N Fourth
Talbert Trailer Inc 7950 W 47th St Lyons Ill Lyons Ill
Talco Engrg Co 2685 State St Hamden Conn
Tallyho Mfg Co Box 157 Fairborn Ga
Tampco Manufacturing Co P O Box 2340 San Antonio Texas
Tapley Products 53 Park Pl New York 7 N Y
Tasco Products Div of Guaranteed Parts Co Seneca Falls N Y
Taylor & Art Plastics Inc 1710 E 12th St Oakland 6 Calif
Taylor Chain Co S G P O Box 509-C Hammond Ind
Taylor Dynamometer & Machine Co 6411 River Parkway Milwaukee 13 Wis
Taylor Instrument Companies 95 Ames St Rochester 1 N Y
Taylor-Winfield Corp 1052 Mahoning Ave N W Warren Ohio
Tech Industries 679 Oakland Park Columbus Ohio
Techline Div Wheelabrator Corp 1466 Ave V Vicksburg Mich
Tech Products Inc 6th & Trumbull Sts Elizabeth N J
Tecumseh Products Co Tecumseh Mich
Teleflex Industrial Products Inc Fourth & Berks Sts Boyertown Pa
Tel-E Lect Products Inc 10001 Minnetoka Blvd Minneapolis 26 Minn
Teletype Corp 1400 Wrightwood Ave Chicago 14 Ill
Temme & Co W H 1027 Madison St Oak Park Ill
Templeton Co 18025 Mark Twain Ave Detroit 35 Mich
Templeton Kenly & Co Gardner Rd Broadview Ill
TENNESSEE COAL & IRON DIV OF UNITED STATES STEEL CO P O Box 599 Fairfield Ala
Tennessee Research Corp PO Box 251 Johnson City Tenn
Tepco Engine Div 3325 E 79th St Cleveland 27 Ohio
Terado Co 1068 Raymond Ave St Paul 14 Minn
TEXACO INC 135 E 42nd St New York 17 N Y
Textileather Div of General Tire & Rubber Co 607 Madison Ave Toledo 3 Ohio
Thatcher Glass Mfg Co McKee Div Jeanette Pa
Thaurer Wagon Works Inc 601 W 56th St New York 19 N Y
Thermador Electrical Mfg Co 5119 District Blvd Los Angeles 22 Calif
Thermalcup Inc 3350 W 137th St Cleveland 11 Ohio
THERMO KING CORP 314 W 90th St Minneapolis 20 Minn
THERMOID DIV H K PORTER CO 200 Whitehead Rd Trenton 6 N J
THERMO TEMP INDUSTRIES INC 7702 Second Blvd Detroit 2 Mich
Thern Machine Co 3760 W 4th St Winona Minn
Thew Shovel Corp (Lorain) E 28th St & Fulton Rd Lorain Ohio
Thiele & Sons Inc W J Pine at Cherry St Johnstown Pa
Thomas Car Works Inc 1406 Tryon St High Point N C
Thomas Co 1645 Hennepin Ave Minneapolis 3 Minn
Thomas Hoist Co 20 S Hoyne Ave Chicago 12 Ill
Thomas Industries Inc Electric Sprayit Div 14th & Illinois Sts Sheboygan Wis
Thomas & Co Peter 1320 Main St Seattle 22 Mass
Thomas Truck & Caster Co 1021 Mississippi River Keokuk Iowa
Thompson Accessories Co 13341 Livernois Ave Detroit 38 Mich
Thompson Bremer & Co 228 N LaSalle St Chicago 1 Ill
Thompson Products Inc 23555 Euclid Ave Cleveland 17 Ohio
Thompson Products Michigan Div 34201 Van Dyke Ave Warren Mich
Thompson Products Inc Replacement Div 6402 Cedar Ave Cleveland 3 Ohio
THOMPSON PRODUCTS LIGHT METALS DIV Thompson Ramo Wooldridge Inc 2269 Ashland Rd Cleveland 3 Ohio
THOMPSON RAMO WOOLDRIDGE INC VALVE DIV 1455 E 185th St Cleveland 10 Ohio
Thompson & Sons O E 111 Quimby St Westfield N J
Thompson Trailer Corp 2 Old Court Rd Pikesville Md
Thomson Electric Welder Co Welded Products Div 161 Pleasant St Lynn Mass
Thomson Industries Inc 1029 Plandome Rd Manhasset N Y
Thor Power Tool Corp 175 W State St Aurora Ill
Tide Water Associated Oil Co 17 Battery Place New York N Y
Tiger Tractor Corp Keyser W Va
Tillis Mfg Co 301 W Franklin St Elkhart Ind
Tillotson Mfg Co 761 Berdan St Toledo Ohio
Timing Gears Corp 2801 W Fulton St Chicago 12 Ill
TIMKEN ROLLER BEARING CO 1835 Dueber Ave S W Canton 6 Ohio
Timmons Metal Products Co 845 Harrisburg Pike Columbus 16 Ohio
Timms Spring Co Taylor & Boston Sts Elyria Ohio
Timpte Brothers Inc 5900 N Washington St Denver Colo
Tingley Rubber Corp 903 Ross St Rahway N J
Tinnerman Products Inc 8700 Brookpark Rd Cleveland Ohio
Tire-King Equipment Co P O Box 1444 Wichita Falls Texas
Tire Machinery Corp of America 138 E Main St Littleton Colo
Tire Mart Inc The National Fleet Service 419 Fourth Ave New York 16 N Y
Tire Service Inc 1210 Exchange Bank Bldg Dallas 35 Texas
Tishken Products Co 13000 W Eight Mile Rd Detroit 37 Mich
Titan Tool Co E Main St Fairview Pa
Titchener & Co E H 67 Clinton St Binghamton N Y
Titeflex Inc Hendee St Springfield Mass
Tobin-Arp Mfg Co 6400 Penn Ave S Minneapolis 23 Minn
TOKHEIM CORP General Products Div 1602 Wabash Ave Fort Wayne 1 Ind
Toledo Pipe Threading Machine Co 1445 Summit St Toledo 4 Ohio
Toledo Pipe Threading Machine Co PO Box 1678 Toledo 3 Ohio
Toledo Pressed Steel Co 397 Phillips Ave Toledo 12 Ohio
Toledo Scale Div of Toledo Scale Co Telegraph Rd Toledo 12 Ohio
Toledo Steel Products Div of Thompson Ramo Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio

Product listings begin on page 53

Tompkins H S 188 Chambers St New York 7 N Y
Torrington Co 59 Field St Torrington Conn
Tourek Mfg Co J J 1901 S Kilbourn Ave Chicago 23 Ill
Townotor Corp 1226 E 152nd St Cleveland 10 Ohio
Towner Mfg Co Box 3096 Santa Ana Calif
TOWNSEND CO Box 71-E Ellwood City Pa
Tractmotive Deerfield Ill
Tradewind Ind Inc West Hiway 54 Liberal Kan
Traffic Transport Engr Inc 14301 Schaden Ave Dearborn Mich
Trailco Mfg & Sales Co Mill St Hummels Wharf Pa
Trailevator Div Magline Inc 1900 Mercer St Pinconning Mich
TRAILMOBILE INC 31st & Robertson Aves Cincinnati 9 Ohio
Trainor National Spring Co Box 391 New Castle Ind
Trans-Equipment Corp 4160 W Broad St Columbus 4 Ohio
Transicold Corp 3211 Hooper Ave Los Angeles 11 Calif
Transitier Truck Co 5475 N Lagoon Ave Swan Island Portland 11 Ore
Transit Mixer Div of Hercules Galion Products Inc Galion Ohio
Transit Parts Company 35700 Vine Street Willoughby Ohio
Transport Industries Inc Brake Div 126 Pearl St Albion Pa
Transport Products Co 3815 Clark St Cleveland 9 Ohio
Transport Trailers Inc 1200 12th St S W Cedar Rapids Iowa
Transportation Seating Div of American Wicker Works 1312 Harmon Pl Minneapolis Minn
Tranter Mfg Inc 620 E Hazel St Lansing Mich
Travelift & Engineering Co Sturgeon Bay Wis
Travelodge Corp 65 N Madison St Tulsa 1 Okla
Trayer Products Inc E Clinton St Elmira N Y
Triangle Auto Spring Corp Maloney Rd & B & O R R Dubois Pa
Triangle Body Works 2012 Waughton Rd Winston-Salem 6 N C
Triangle Jack Co Box 73 Haysville Kan
Trico Fuse Mfg Co 2948 N Fifth St Milwaukee 12 Wis
Trico Products Corp 817 Washington St Buffalo 3 N Y
Trimont Mfg Co Div of Aetna Industrial Corp 55 Armory St Boston Mass
TRIPLE-A SPECIALTY CO 2835 N Western Ave Chicago 18 Ill
Triple Seal Corp 2195 N W 27th Ave Miami 52 Fla
Triplex Corp of America Div of Aluminum Industries Inc P O Box 666 Pueblo Colo
Tri-Point Plastics Inc 175 S W Willets Rd Albertson Long Island N Y
Trippe Mfg Co 133 N Jefferson St Chicago 6 Ill
Trojan Battery Co 724 E 61st St Los Angeles Calif
Trojan Products Co 109 N Union St Galion Ohio
Trostel Packings Ltd Albert Lake Geneva Wis
Troyler Corp 1445 Meylert Ave Scranton 9 Pa
Troy Sunshade Co Troy Ohio
Truck Accessories Co 2512 W Olympic Blvd Los Angeles 6 Calif
Truck Cab Mfrs Inc 1201 Finlay St Cincinnati 14 Ohio
Truck & Car Alarm Systems Inc 836-40 Van Houten Ave Clifton N J
Truck & Coach Heater Mfg Co 2465 W Davison Detroit 38 Mich
Truck Engrg Co 3200 E Pontiac St Fort Wayne 4 Ind
Truck Equipment Co 1791 Fillmore Ave Buffalo 14 N Y
Truck Parts & Equip Inc 820 E Harry St Wichita Kan
Truckstell Mfg Co 3490 W 140th St Cleveland 11 Ohio
Trucktor Corp PO Box 1137 Mountainside N J
Truck & Trailer Products Inc 1220 Huron Rd Cleveland 15 Ohio
Truck Trailer Supply Co 720 W Broadway Stafford Kan
Truck Welding & Equipment Co 739 Ninth Ave N Seattle 9 Wash
Tru-Flate Inc 888 92nd Ave Oakland 3 Calif
Truk-A-Door Co 85 Henry St Detroit 1 Mich
Tru Kooler Div Sumner Industries Inc Sumner Iowa
Truth Tool Co 711 S Front St Mankato Minn
Tube Products Corp 320 N 2nd St Tipp City Ohio
Tubular Micrometer Co 301 Armstrong Blvd N St James Minn
Tuck Mfg Co 74 Ames St Brockton Mass
TULSA WINCH DIV OF VICKERS INC 815 E First St Tulsa 20 Okla
Tumbler Laboratories J A 423 S Hanover St Baltimore 1 Md
TUNG-SOL ELECTRIC INC 95 Eighth Ave Newark 4 N J

now—a car that measures up to your fleet needs like no other!

'61 CHEVROLET

Even a casual once-over and once around the block will tell you these '61 Chevies combine all the practical common-sense features you could ask for in a fleet car.

OUTSIDE DIMENSIONS HAVE BEEN TRIMMED DOWN to give you extra inches of clearance for parking and garaging, yet there's a full measure of Chevy roominess on the inside. **DOOR OPENINGS ARE UP TO HALF A FOOT WIDER** for easier entry and exit—a boon to any busy fleet schedule. **NEW EASY-CHAIR SEATS** are up to 14% higher—just right for sitting, just right for seeing—yet there's more head room in most models. There's **MORE LEG ROOM** in the front, more foot room in the back. And there's a **NEW BUILT-FOR-BUSINESS DEEP-WELL TRUNK** that opens at bumper level for easy short-lift loading. These are just a few of the unique benefits that make Chevy for '61 the one car that meets all your fleet needs so perfectly it might just as well have been custom built to your specifications. And that's just as true whether you rent, lease or operate your own fleet. Talk it over with your Chevrolet dealer first chance you get. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

The fleet car America likes to do business with! CHEVROLET

now reduced prices make it even thriftier!

'61 CHEVY CORVAIR

Keeping costs down is a fine art with most businesses—and nobody's more aware of it than Chevrolet. Which is why we've come up with some important news about Corvair for 1961.

To begin with, prices have been reduced on all coupes and sedans. (Your dealer will be glad to tell you exactly how much.) Enough said.

What's more, a new rear axle ratio, quicker-than-ever cold-start warmup and other improvements help make Corvair a more practical buy than ever.

Under the hood, you'll find nearly 12% more cargo capacity, too. Along with all of the refinements you'll enjoy in the '61 Corvair, you'll appreciate the traditional virtues that have become a trademark with us: that air-cooled rear engine (never needs antifreeze), the traction, the nimble handling that makes driving easier.

Give Corvair a chance to show you what it can do for your balance sheet. Your Chevrolet dealer's the man to see. (And by the way, you might well be interested in Corvair's wagons—the Lakewood and the intriguing Greenbrier. Check them both out while you're getting the short, sweet details about Corvair economy at your dealer's.) . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

corvair
for economical transportation

More details? Circle 236 on reply card inside back cover

TUNGSTEN TO WALCO

Tungsten Contact Mfg Co 7311 Cottage Ave North Bergen N J
Tungsten Mfg Co 1923 E 79th St Chicago 49 Ill
Tungsten Spark Plug Mfg Tungsten Bldg 1716 S Michigan Ave Chicago 16 Ill
Turco Products Inc 24600 S Main North Wilmington Calif
Turk Co Wm 11070 S Alameda St Lynwood Calif
TURNER CORP 851 Park Ave Syracuse Ill
Turner Equipment Co 432 St Aubin St Detroit 7 Mich
Turner Halsey Co 40 Worth St New York N Y
Turner Mfg Co 404 W Superior St Kokomo 2 Ind
Turner & Seymour Mfg Co 100 Lawton St Torrington Conn
Turnsignal Co 2720 W Susquehanna Ave Philadelphia 21 Pa
Turtle Wax Inc 1800 N Clybourn Ave Chicago 14 Ill
Tuthill Pump Co 939 E 95th St Chicago 19 Ill
Tuthill Spring Co 760 W Polk St Chicago 7 Ill
Tweco Products Co Boston at Mosley St Wichita 1 Kan
Twin Disc Clutch Co 1328 Racine St Racine Wis
TYREX INC Empire State Bldg New York 1 N Y (TYREX is a non-profit organization representing five producers of viscose tire yarn and cord)
Tysol Products Div 333 N Michigan Ave Chicago 1 Ill
Tyson Bearing Co Div of SKF Industries Inc 1339 Duncan St S W Massillon Ohio

U

U-C Lite Mfg Co 1050 W Hubbard St Chicago 22 Ill
Uarco Inc 5000 S California Ave Chicago 32 Ill
Uehling Instrument Co 473 Getty Ave Paterson 3 N J
Uhrden Inc Dennison Ohio
Underwood Corp 33rd & Park Ave New York N Y
Underwriters Safety Device Co 4642 N Lamon St Chicago 30 Ill
Unican Plastics Co Inc 915 Hartford Pike Shrewsbury Mass
Unified Parts Inc 35 Roetzer St Buffalo 11 N Y
Union Bearing Co 403 E Jersey St Elizabeth N J
Union Carbide Chemical Co Div of Union Carbide Corp 270 Park Ave New York 17 N Y
UNION CARBIDE CONSUMER PRODUCTS CO DIV OF UNION CARBIDE CORP 270 Park Ave New York 17 N Y
Union City Body Co W Pearl St Union City Ind
Union Diesel Engine Co 2121 Diesel St Oakland 6 Calif
Union Forging Co 500 North St Endicott N Y
Union Metal Mfg Co 1432 Maple Ave N E Canton 5 Ohio
Union Oil Co of California Union Oil Bldg Los Angeles 7 Calif
Union Tool Co 48 E River St Orange Mass
Union Twist Drill Co Monroe St Athol Mass
Union Twist Drill Co Butterfield Div Derby Line Vt
Union Welt Corp 511 S Sangamon St Chicago 7 Ill
Unisteel Body Co Div Hercules Galion Products Inc 605 W Market St Galion Ohio
Unistrut Products Co 933 Washington Blvd Chicago 7 Ill
Unit Crane & Shovel Corp 6307 W Burnham St Milwaukee 13 Wis
United-Carr Fastener Corp 31 Ames St Cambridge 42 Mass
United Electric Controls Co 85 School St Watertown 72 Mass
UNITED ENGINE & MACHINE CO 310 Preda St San Leandro Calif
United Engrg & Fdry Co Wilmington Plant P O Box 1108 Wilmington 99 Del
United Metal Craft Co 800 Lowell St Ypsilanti Mich
United Mfg Co 5250 Dobeckmun Ave Cleveland 2 Ohio
UNITED MOTORS SERVICE General Motors Building Detroit 2 Mich
United Packing & Gasket Engrg Corp 5111 Ogden Ave Cicero 50 Ill
UNITED PARTS DIV ECHLIN MFG CO 1250 W Van Buren St Chicago 7 Ill
United Screw & Bolt Corp 3590 W 58th St Cleveland Ohio
United Shoe Machinery Corp 140 Federal St Boston 7 Mass
United Shoe Machinery Corp Pop Div West Medway Mass
United Specialties Co of Illinois 9705 Cottage Grove Ave Chicago 28 Ill
United States Air Compressor Co 5300 Harvard Ave Cleveland 5 Ohio
United States Aviex Co 423 N Ninth St Niles Mich
U S AXLE CO Water St Pottstown Pa
United States Casting Repair Corp 6432 Edmund St Phila 35 Pa
United States Chain Co 2240 S Lumber St Chicago 16 Ill
U S Chemical & Supply Co 400 E 10th Ave North Kansas City 16 Mo
U S Electric Welder Corp 1253 Dorr St Toledo 7 Ohio
U S Electrical Motors Inc 200 E Slauson Ave Los Angeles 54 Calif
United States Electrical Tool Co 3620 Llewelyn St Cincinnati 23 Ohio
U S Galvanizing & Plating Equipment Corp 27-41 Heyward St Brooklyn N Y
United States Gauge Div American Machine and Metals Inc Clymer Ave Sellersville Pa
United States Graphite Co 1621 Holland Ave Saginaw Mich
U S Metal Products Corp 1045 Atlantic Ave Brooklyn 38 N Y
U S Plug & Fitting Co 1807 22nd St N E Canton 5 Ohio
United States Plywood Corp Weldwood Bldg 55 W 44th St New York 36 N Y
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y

ATA asks for uniform registration to cut illegal trucking

NEW YORK CITY—At its 27th annual convention held here last month, the trucking industry called for passage of federal legislation to help eliminate illegal truck operations by requiring uniformity in motor vehicle reports filed with all 50 states.

Action was an outgrowth of the industry's increasing concern with the inroads which unlawful "gray area" truck operations are making on freight hauled by the nation's for-hire carriers (Oct., page 34). The stand was approved by the Executive Committee of American Trucking Associations.

The Committee pointed out that uniformity in state registration of motor vehicles, filing of evidence of insurance and other reports would give the states "adequate enforcement powers to deal with illegal operations."

The trucking industry commended the work of the National Conference of State Transportation Specialists of the National Assn. of Railroad and Utilities Commissioners. ATA said the organization's activities "give promise of relief and assistance" in the campaign for uniform reports and adequate enforcement.

The dangers of illegal truck operations was pointed out earlier in the week by ICC Commissioner Laurence K. Walrath who warned that they are contributing to the weakening of the nation's truck, rail and water common carriers. Speaking before the Regular Common Carrier Conference, Commissioner Walrath said that the threat to all forms of common carriage, which offer their services to the general public, arises from the fact that much of their "higher rated volume traffic has been slipping away into unregulated channels." The result, he said, has been diminished profits despite increases in the total amount of freight which the common carriers haul.

Following his speech, the Conference took action to support the ICC in its efforts to obtain increased appropriations for its Bureau of Inquiry and Compliance, which is the Commission's enforcement arm. It also promised cooperation with the National Conference of State Transportation Specialists in its enforcement program on the state level. A further action called for increased efforts by motor common carriers to cooperate with shippers in bringing traffic now moving illegally back to the regulated transportation industry.

Less government intervention

In other action, the Executive Committee passed a resolution opposing intervention by government agencies in regulatory cases. It pointed out that the "responsibility for protecting the interests of the public, including the federal government, in the regulation of rates, charges and practices of transportation and utility companies, is exclusively that of appropriate federal and state transportation and utility regulatory bodies." Further, the ICC, or other regulatory bodies, should automatically protect

UNITED STATES STEEL CORP 525 Wm Penn Pl Pittsburgh 30 Pa
United States Taximeter Co 514 W 54th St New York 19 N Y
United Wire & Supply Corp 1497 Elmwood Ave Providence 7 R I
Unit Mfg Co 1229 Harmon Pl Minneapolis 3 Minn
Unit Rig & Equipment Co Tulsa Okla
Unity Mfg Co 2909 Indiana Ave Chicago 16 Ill
Universal Battery Co 3410 S La Salle St Chicago 16 Ill
Universal Chemical Div R M Hollingshead Corp 840 Cooper St Camden 2 N J
Universal-Cyclops Steel Corp Station St Bridgeville Pa
Universal Engine Heater Co W 22 Mansfield St Spokane 21 Wash
Universal Fire Apparatus Corp Ft of Wheatland Ave Logansport Ind
Universal Friction Materials Div Gairing Tool Co 1700 United Artists Bldg Detroit 26 Mich
Universal Lubricating Systems Inc 747 Allegheny Ave Oakmont Pa
Universal Metal Hose Co 2133 S Kedzie Ave Chicago 23 Ill
Universal Motor Co 1552 Harrison St Oshkosh Wis
Universal Oil Products Co 30 Algonquin Rd Des Plains Ill
Universal Oil-Seal Co 34 W Kennett Rd Pontiac Mich
Universal Tool & Stamping Co Butler Ind
Upland Industries Inc 119 Sixth St Upland Pa
Ushco Mfg Co 135 Tonawanda St Buffalo 7 N Y
Utica Drop Forge & Tool Div of Kelsey-Hayes Co 2500 Whitesboro St Utica N Y
Utility Tool & Body Co 151 E 16th St Clintonville Wis
Utility Trailer Mfg Co PO Box F-1 City of Industry Calif

V

V-J Industries Inc 720 E Washington St Indianapolis Ind
V-O Mfg Co 13165 Sherman Way Hollywood Calif
Vaco Products Co 317 Ontario St Chicago 11 Ohio
Vacuum Grip Cover Co 54 Washburn St Bridgeport 5 Conn
Valley Craft Products Inc Div of O'Neil-Irwin Mfg Co 750 Jefferson Ave Lake City Minn
Valley Electric Corp 4221 Forest Park Blvd St Louis Mo
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y
Valley Tow-Rite Industries 1231 S Sacramento St Lodi Calif
Valvoline Oil Co Div of Ashland Oil & Refining Co Third Ave & Sixth St Freedom Pa
Vanadium Corp of America 420 Lexington Ave New York 17 N Y
Vanco Products Inc 15330 Brookpart Rd Cleveland 11 Ohio
Van Keuren Co 176 Waltham St Watertown Mass
VAN NORMAN MACHINE CO Div Van Norman Industries Inc 3640 Main St Springfield 7 Mass
Vapor Blast Mfg Co 3025 W Atkinson Ave Milwaukee 9 Wis
Vapor Heating Corp 6420 Howard St Chicago 4 Ill
Vari-Products Co 2450 S Prairie Ave Chicago 16 Ill
Veeder-Root Inc 20 Sargeant St Hartford 2 Conn
Veenema & Wiegers Inc 241 N Tenth St Paterson 2 N J
Vellumoid Co 54 Rockdale St Worcester Mass
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
Ven Corp 2828 Newell St Los Angeles 39 Calif
Vermont Tap & Die Corp Main & Grove Sts Lyndonville Vt
Versnick Mfg Co Madisonville Ky
Verson Allsteel Press Co 93rd St & Kenwood Ave Chicago Ill
Vibra Seal Corp 2832 E Grand St Detroit Mich
VICKERS INC Div of Sperry-Rand Corp 1400 Oakman Blvd Detroit 32 Mich
Vickers Inc Electric Products Div 1815 Locust St St Louis 3 Mo

Product listings begin on page 53

Vickers Inc Machinery Hydraulics Div Administrative & Engrg Center Detroit 32 Mich
Victor Adding Machine Co 3900 North Rockwell St Chicago 18 Ill
Victor Burglar Alarm Co Inc Clifton N J
Victor Instrument Mfg Co 33 W 60th St New York 23 N Y
VICTOR MFG & GASKET CO 5750 W Roosevelt Rd Chicago 50 Ill
Vinyl Fabrics Inc 1430 Broadway New York 18 N Y
Vita Var Corp 46 Albert Ave Newark N J
Vichek Tool Co E 87th & Koster Sts Cleveland 4 Ohio
Vocaline Co of America 105 Bristol Bldg Old Saybrook Conn
Volkswagen of America Inc Englewood N J
VOLVO IMPORT INC Truck Div 357 Wilson Ave Newark 5 N J
Vortox Co 121 S Alexander Ave Claremont Calif
Vulcan Electric Co 88 Holten St Danvers Mass
Vulcan Mfg Co 400 W Third St Winona Minn
VULCAN RUBBER PRODUCTS DIV REEVES BROS 1071 Avenue of the Americas New York 18 NY
Vulcan Spring Co P O Box 47 Momence Ill
Vulcan Trailer Mfg Co 901 34th St N Birmingham Ala

W

W B G Oil Clarifier Inc 139 Cornell St Kingston N Y
Waag Enterprises 3110 Broadview Rd Cleveland 9 Ohio
Wade & Dunton Inc 686 Main St Lewiston Maine
Wade Electric Products Co 211 N Jacobs St Sturgis Mich
WAGNER ELECTRIC CORP 6400 Plymouth Ave St Louis 14 Mo
Wagner Mfg Co 122 W First St Cedar Falls Iowa
Wagner Mfg Co E R 4611 N 32nd St Milwaukee 16 Wis
WALBRO CORP ELECTRIC AUTOPULSE DIV 6240 Garfield St Cass City Mich
Walco Products 1077 Pembroke Street Bridgeport Conn

the government's interests when it decides a case.

Newbrough urges upgrading maintenance

Better management of vehicle maintenance is a key factor in the future growth of the trucking industry. This challenge was made at the convention by E. Truett Newbrough, vice president of Albert Ramond and Associates, nationally known management consultants. "This is true in both the common carrier and private fleet fields. Ineffective maintenance plays havoc with operational costs. But there's an even more important consideration. Inadequate maintenance fosters poor service and customer dissatisfaction. The result of this dissatisfaction is obvious. It means loss of business.

"But what's the answer? A general upgrading of the maintenance function within the organization structure is one solution. The maintenance supervisor or manager must become a progressive, cost-conscious member of a company's management. Similarly, this upgrading must filter down through the whole maintenance group. Only in this manner can vehicle maintenance in particular, and fleet management in general, assume the management status it rightly deserves."

Budd study shows maintenance costs

Fleetmen at the meeting heard the results of the second phase of the Budd-ATA Foundation study just completed by ATA's Research Dept. It shows average repair and servicing costs per mile of operation for intercity vehicles average 4.7¢—not including cost of fuel and oil. The study further reveals that repair and servicing costs drop as length of haul increases. It points out that the "higher cost for the short-haul carriers is probably due in many respects to the inspections and other servicing operations which are performed on a trip or elapsed time basis rather than on a mileage basis, and to traffic conditions."

The first part of the study (Mar., page 134) showed the cost of repairing and servicing over-the-road trucks ranges from 2 to 10¢ per mile with a nationwide average of 5¢ per mile. Part two sought to "determine significant factors about the repair and servicing characteristics of the industry with the objective of discovering reasons for the fluctuations in costs noted in the first analysis." (Full details coming in a special section of next month's COMMERCIAL CAR JOURNAL.)

Lawrence reports

In his report to the fleetmen at the convention, ATA Managing Director John Lawrence said facts were being developed to speed a proposed ICC investigation into railroad abuses of piggy-back services. "Such an investigation," he said, "is desperately needed."

Lawrence also alerted truck operators to the coming Congress and the possibility of higher highway use taxes and federal size and weight limits. In his review of what's ahead, he noted the expected-next-month "Doyle Report" asked for by the Senate Interstate Commerce Commission. "Indications are that this report is not likely to bring joy to the hearts of the trucking industry," he said.

(TURN TO PAGE 280, PLEASE)

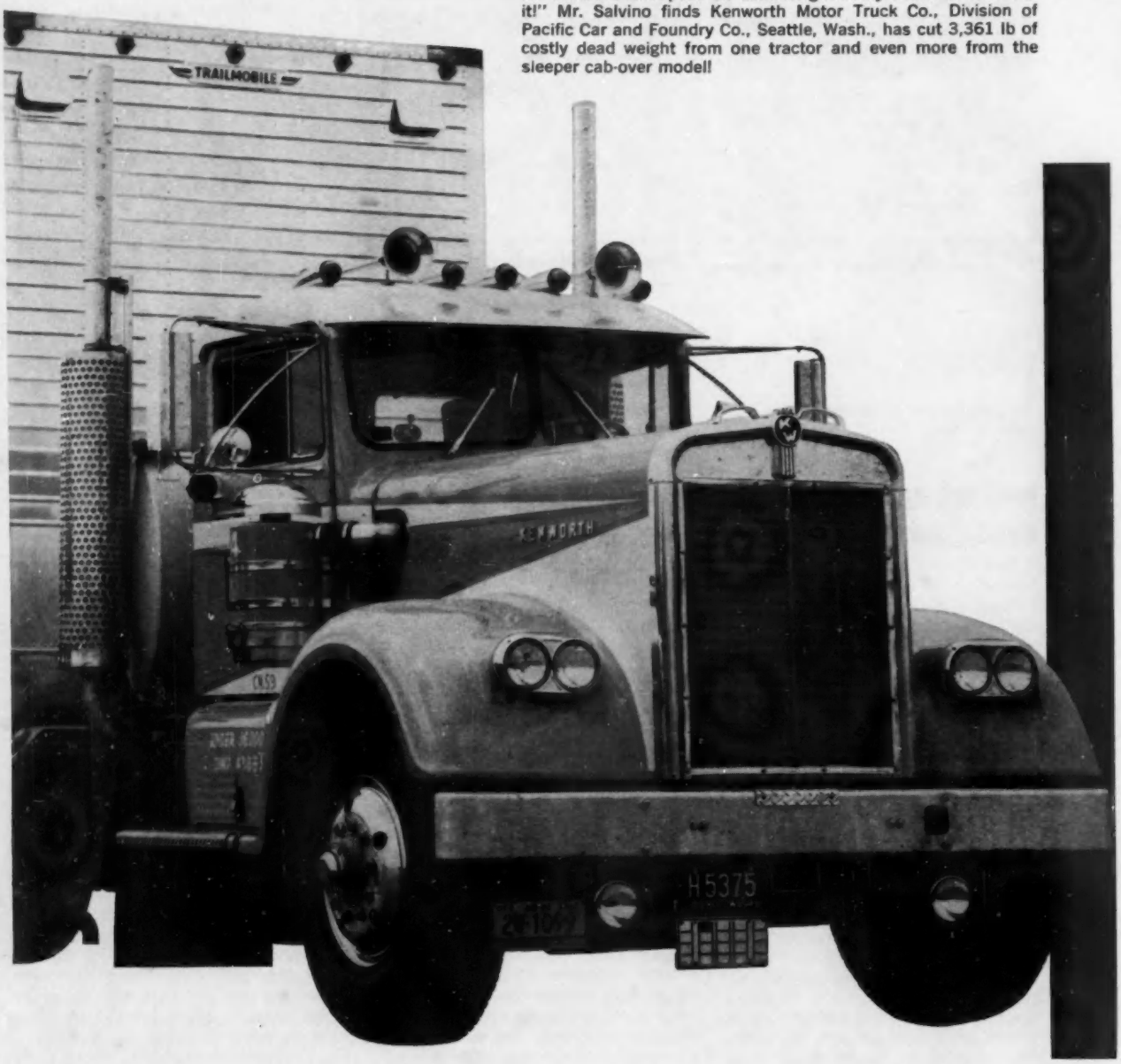
"LIGHTER KENWORTH

—says Pat Salvino, Seattle, Washington

■ Extensive use of Alcoa Aluminum cuts 3,361 lb of truck dead weight!

■ Alcoa Aluminum Forged Disc Wheels add "extra" bonus: still more payload . . . longer tire life!

Seattle trucker Pat Salvino carries a lot of paper in his two new Kenworth trucks. "Baled paper is heavy—heavy enough to make me want the least possible dead weight in my trucks when I haul it!" Mr. Salvino finds Kenworth Motor Truck Co., Division of Pacific Car and Foundry Co., Seattle, Wash., has cut 3,361 lb of costly dead weight from one tractor and even more from the sleeper cab-over model!



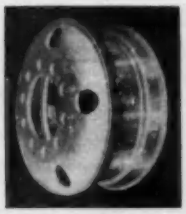
TRUCKS PULL MY HEAVIEST LOADS!"

Aluminum saves valuable poundage in fuel tanks, bumpers, frames and castings, cross members, transmission cases, carrier housing, cab and even various engine parts. Extensive use of aluminum in the two tractors ordered by Pat Salvino enabled him to buy the lightest weight model his firm has ever purchased.

Each week saves Mr. Salvino 40 lb or more dead weight—because Kenworth specified Alcoa® Aluminum Forged Disc Wheels!

Alcoa Aluminum Forged Disc Wheels are not only the lightest heavy-duty truck wheels on the market today, they're the roundest, truest running wheels you can buy. This is because they are the only wheels manufactured by a process that includes (1) forging them in one piece—for extra strength and protection from joint failure, and (2) machining the mounting flange and rim surface (simultaneously to precision tolerances) for perfect alignment. To the driver this means better steering and an easier ride; to the operator it means money in the bank—thanks to reductions in maintenance and increases in tire life of as much as 50 per cent, as well as extra payload. Write for Alcoa's free brochure, *Weigh the Facts*, to learn how other operators have profited from running on Alcoa wheels.

Alcoa is well staffed with technical specialists to help *you* with design and specification problems for all types of trucks and trailers, as it has helped many fleet owners, operators and truck manufacturers. For more information, call your nearest Alcoa sales office, or write: Aluminum Company of America, 1770-L Alcoa Building, Pittsburgh 19, Pennsylvania.



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Wall Colmonoy Corp 19345 John R St Detroit 3 Mich
Wall Mfg Co 636 S Stratford Rd Winston-Salem N C
Waltco Truck Equipment Div Waltco Engineering 1515 W 132nd St Gardenia Calif
Walter Motor Truck Co 1001 Irving Ave Ridgewood L I N Y PO Brooklyn 27 N Y
Waltham Precision Instrument Co 221 Crescent Waltham 54 Mass
Walworth Co 60 E 42nd St New York 17 N Y
Ward Body Works Inc Conway Ark
Ward LaFrance Truck Corp Elmira N Y
Ward Leonard Electric Co 37 South St Mt Vernon N Y
Ward Motor Vehicle Co 718 S Fulton Ave Mt Vernon N Y
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Warehouse Distributing Co 3810 N 19th St Philadelphia 40 Pa
Warn Mfg Company Box 6064-5 N Seattle 88 Wash
Warner Automotive Div Borg-Warner Corp S Wayne St Auburn Ind
Warner Commercial Body Inc 8th & Carbon Sts Noblesville Ind
Warner Electric Brake & Clutch Co Beloit Wis
Warner Gear Div Borg Warner Corp 1106 E Seymour St Muncie Ind
Warner Machine Products Inc 1200 Rochester St Muncie Ind
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Warwick Laboratories Co 334 Cleveland St Brooklyn 8 N Y
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Washington Steel Corp Griffith & Woodland Aves Washington Pa
Wasserleing Mfg Co Inc 7400 3rd Ave N St Petersburg 6 Fla
Waterbury Tool Div Vickers Inc 188 E Aurora
Water Larm Corp 404 S E 202nd Ave Portland 33 Ore
Waterman Hydraulics Corp 725 Custer St Evanston Ill
Waterous Co 80 E Fillmore Ave St Paul 7 Minn
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WAUKESHA MOTOR CO W St Paul Ave Waukesha Wis
Wausau Motors Parts Co P O Box 318 Schofield Wis
Waverly Petroleum Products Co 1724 Chestnut St Philadelphia 3 Pa
Wayne Chemical Products Co Cope Ave & M C R R Detroit 17 Mich
Wayne Pump Co Salisbury Md
Wayne Works Div Divco Wayne Corp 1500 N F St Richmond Ind
Weatherhead Co 300 E 131st St Cleveland 8 Ohio
WEATHERHEAD CO FORT WAYNE DIV 128 W Washington Blvd Ft Wayne Ind
WEAVER MFG DIV OF DURA CORP 2177 S Ninth St Springfield Ill
Webb Wheel Div of American Steel & Pump Corp Lake Francis Dr Siloam Springs Ark
Weber Trailer & Mfg Co 8400 E Slauson Ave Pico Rivera Calif
Webster Rubber Co 2828 Second St Cuyanoga Falls Ohio
Weiand Power & Racing Equip 2733 San Fernando Rd Los Angeles 65 Calif
Weidenhoff Corp Highway #18 Algona Iowa
Weir Body Co 4505 Cuming St Omaha 3 Neb
Weirton Steel Co Div of National Steel Corp Weirton W Va
Weld-Built Body Co Inc 5903 Preston Ct Brooklyn 34 N Y
Welding Equipment & Supply Co 5225 E Davison St Detroit 12 Mich
Welduction Corp 19400 W Eight Mile Rd Southfield Mich
Weller Electric Co 601 Stone's Crossing Rd Easton Pa
WELLINGTON SEARS CO 111 W 40th St New York 18 N Y
Wellman Co S K 200 Egbert Rd Bedford Ohio
Wells Cargo Div of Prairie Schooner Inc 1501 W Bristol St Elkhart Ind
Wells & Co A H 177 E Aurora St Waterbury Conn
Wells Inc Martin 5886 Compton Ave Los Angeles 1 Calif
Wells Mfg Corp 2-26 S Brooke St Fond du Lac Wis
Weltronic Co 19500 W Eight Mile Rd Southfield Mich
Wendell Mfg Corp 4234 Lincoln Ave Chicago 18 Ill
Wen Products Inc 5806 Northwest Highway Chicago 31 Ill
Wentworth & Irwin Inc 123 N E Oregon St Portland 14 Ore
Wesley Mfg Company 1305 Russell Ave North Minneapolis Minn
Wesson Co 1222 Woodward Heights Blvd Ferndale Detroit Mich
West Bend Aluminum Co West Bend Wis
Westbrook Industries Inc 140 Malvern St Newark 5 N J
Western Automatic Machine Screw Co 752 Lake Ave Elyria Ohio
Western Automotive Co 2300 S Parkway Chicago 16 Ill
Western Chain Co 1807 Belmont Ave Chicago 13 Ill
Western Felt Works 4115 W Ogden Ave Chicago 23 Ill
Western Gear Works 2600 E Imperial Highway Lynwood Calif
Western Metal Specialty Div Western Industries Inc 1213 N 62nd St Milwaukee 13 Wis
Western Piping & Engrg Co 123 Kansas St San Francisco 3 Calif
Western Snowplow Div Douglass Motors Corp 1234 N 62nd St Milwaukee 13 Wis
Western States Mfg Co 811 Main St Sioux City Mo
WESTERN UNIT CORP 17747 E Railroad St City of Industries Calif
Westfield Metal Products Co Lower Union St Westfield Mass
Westinghouse Air Brake Co Industrial Products Div P O Box 36 Wilmerding Pa
Westinghouse Electric Corp 3 Gateway Center P O Box 2278 Pittsburgh 30 Pa
Westinghouse Electric Corp Buffalo Div 4454 Genesee St Buffalo 5 N Y
Westinghouse Electric Corp Lamp Div MacArthur Ave Bloomfield N J
Westinghouse Electric Corp Micarta Div 3 Gateway Center Pittsburgh 30 Pa
Westinghouse Electric Corp X-Ray and Electronics Div 2519 Wilkens Ave Baltimore 3 Md
Westland Trailer Co 3900 N W Yeon Ave Portland 10 Ore
Westley Industries 1898 Scranton Rd Cleveland 13 Ohio
Weston Dump Body Co 326 W 11th St Des Moines 9 Iowa
Weston Instruments Div of Daystrom Inc 614 Freylinghuysen Ave Newark 12 N J
Westric Battery Co 4201 Galapago St Denver 16 Colo
Weymouth Art Leather Co 180 Pearl St S Braintree 85 Mass
Wheelabrator Corp 1466 S Byrkit St Mishawaka Ind
Wheeling Steel Corp Wheeling Steel Bldg Wheeling W Va
Wheel Parts & Mfg Co 45 Nassau St New York 5 N Y
Wheel Weights Inc 122 S First St Ann Arbor Mich
Whitaker Cable Corp 1301 Burlington Ave North Kansas City 16 Mo
Whitaker Mfg Co 409 S Greene St Chicago Ill
White & Bagley Co 100 Foster St Worcester 8 Mass
White Co O C 17 Herman St Worcester 8 Mass
White Diesel Engine Div White Motor Co 1401 Sheridan Ave Springfield Ohio

News highlights from the ATA convention

Continued from Page 277

Regular Common Carriers

Regular Common Carrier Conference meetings during convention week heard a progress report on the Conference's "Program for Progress" public relations program, listened as Assistant Postmaster General George M. Moore asked for legislative action to permit more hauling of mail by truck, were warned by Frank L. Barton of the Senate Interstate Commerce Committee staff that common ownership could come eventually even though it wasn't likely in the 1961 session of Congress.

Common Carriers—Irregular Route

At a meeting of the ATA Common Carrier Conference—Irregular Route, R. E. Fox of General Foods suggested rate allowances to encourage shippers and receivers to speed-up platform handling of truck freight.

Private Carriers

At its meeting in connection with the convention, ATA's Private Carrier Conference passed a resolution calling for the retirement, on schedule, of the one-cent temporary federal motor fuel tax on June 30, 1961. It also demands that all federal automobile excise taxes be specifically earmarked for the highway trust fund and that presently existing tax-paid free highways not be converted to toll roads at either the state or the federal level. The group also urged that states not now having anti-diversion constitutional amendments enact such amendments at the first opportunity and expressed opposition to any further increases in highway user taxes at both the state and federal level.

New ATA Officers

First private carrier in the history of the Association was elected president of ATA at the convention. He's John J. Gill, president of Petroleum Heat and Power Co., Rhode Island.

Whitehead & Kales 58 Haltiner St River Rouge 18 Mich
Whitehead Stamping Co 1661 W Lafayette Blvd Detroit 16 Mich
White Industrial Div S S 10 E 40th St New York 16 N Y
White Machine Works 1401 Bellevue Ave Eau Claire Wis
WHITE MOTOR CO 842 E 79th St Cleveland 1 Ohio
Whitman & Barnes Div of United Drill & Tool Corp 40085 Plymouth Rd Plymouth Mich
Whitney Chain & Mfg Co 237 Hamilton St Hartford 2 Conn
Whitney Metal Tool Co 726 Forbes Rockford Ill
Wichita Body & Equipment Co 1926 N Broadway Wichita 12 Kan
Wickman Mfg Co 10325 Capitol Ave Oak Park Detroit 37 Mich
Wicks Accessories Corp Gastonia N C
Wickwire Spencer Steel Div Colorado Fuel & Iron Co 575 Madison Ave New York 22 N Y
Wico Electric Co 10 Bliss Ave West Springfield Mass
Wico Ignition Div Globe Union Inc West Springfield Mass
Wilbur & Williams Co 650 Pleasant St Norwood Mass
Wilco Co 4425 Bandini Blvd Los Angeles Calif
Wilco Inc 400 E Decatur St Kenton Ohio
Wilde Drop Forge & Tool Co 2936 Fairmount Ave Kansas City Mo
Wilde Tool Co Hiawatha Kan
WILKENING MFG CO 2000 S 71st St Philadelphia 42 Pa
Wilkerson Corp 1601 W Girard Ave Englewood Colo
Wilkinson Equipment & Supply Corp 6958 S Wentworth Ave Chicago 21 Ill
WILLARD STORAGE BATTERY DIV Electric Storage Battery Co 246 E 131st St Cleveland 1 Ohio
Williams & Co J H 400 Vulcan St Buffalo 7 N Y
Williamsen Body & Equipment Co 933 Wall Ave Ogden Utah
Williams Engineering Corp 224 Park Ave Baltimore Md
Williams White & Co 100 Eighth St Moline Ill
Willys Motors Inc 940 N Cove Blvd Toledo 1 Ohio
Wilshire Power Sweeper Co 526 W Chevy Chase Glendale 4 Calif
Wilson Co 959 Commonwealth Ave Boston Mass
Wilson Imperial Co 115 Chestnut St Newark 5 N J
Wilson Inc K R Arcade N Y
Wilson Inc Thomas C 21-11 44th Ave Long Island City N Y
Wilson Trailer Co 2400 Leech Ave Sioux City 6 Iowa
Wilton Tool Mfg Co Inc 9525 W Irving Park Rd Schiller Park Ill
Winona Tool Mfg Co 1430 W Broadway Winona Minn
Winslow Engr & Mfg Co 4069 Hollis St Oakland 8 Calif
Winter Weiss Co 2201 Blake St Denver 5 Colo
Wisconsin Gasket & Mfg Co 8724 N Granville Rd Granville Wis
Wisconsin Hydraulics Inc 3165 N 30th St Milwaukee 16 Wis
Wisconsin Motor Corp 1910 S 53rd St Milwaukee 14 Wis
Wissota Mfg Co 1301 S 3rd St Minneapolis Minn
Wiss & Son Co J 33 Littleton Ave Newark N J
Witco Chemical Co 75 E Wacker Drive Chicago 1 Ill
Wittek Mfg Co 4305 W 24th Place Chicago 23 Ill
WIX CORP 1211 Ozark St Gastonia N C
Woeber Auto Body Mfg Co 4970 Jackson St Denver 16 Colo
WOHLERT CORP 700 E Grand River Ave Lansing 5 Mich
Wolfe Knote Co 1225 N 8th St Sheboygan Wis
Wolf Engrg Corp 1201 Main St Dallas Texas
Wolf's Head Oil Refining Co Oil City Pa
Wolverine Gear & Parts Co Osseo Mich
Wolverine Tube Div of Calumet & Hecla Inc 17200 Southfield Rd Allen Park Mich
Wood Co Frank N 344 W Main St Waukesha Wis
Wood & Spencer Co 1930 E 61st St Cleveland 3 Ohio
Woodhill Chemical Sales Corp 1390 E 34th St Cleveland 14 Ohio
Woodlin Metal Products Co Div Muskegon Motor Specialties Co Texarkana Texas
Woodside Industries 6125 Vancouver St Detroit 4 Mich
Woods Son Co T B N Fifth Ave Chambersburg Pa
Woodward Governor Co 5001 N 2nd St Rockford Ill
Wood Williams Copp Mfg Co 5239 N Michigan Ave Ypsilanti Mich
Woodworth Corp C B 182 Broad Ave Binghamton N Y
Wooldridge Manufacturing Div Continental Copper & Steel Industries Inc Hendy Ave Sunnyvale Calif
Wooster Div Borg Warner Corp Old Mansfield Rd Wooster Ohio
Worcester Brush & Scraper Co 38 Austin St Worcester Mass
WORLD BESTOS DIV FIRESTONE TIRE & RUBBER CO 1112 S 25th St New Castle Ind
Worthington Pump & Machinery Corp Harrison N J
Wright Hoist Div American Chain & Cable Co York Pa
Wright Tool Co 4316 N Woodward Royal Oak Mich
Wright Tool & Forge Co 42 E State St Barberton Ohio
Wudel Mfg Co Edmund J 6082 Ferguson Dr Los Angeles 22 Calif
Wyandotte Chemicals Corp J B Ford Div 1609 Biddle Ave Wyandotte Mich
Wynn Oil Co 1151 W Fifth St Azusa Calif
Wyzenbeek & Staff Inc 223 N California Ave Chicago 12 Ill

X

"X" Laboratories Inc 25 W 45th St New York 19 N Y
Xcelite Inc 28 Thorne St Orchard Park N Y

Y

Yale Engineering Co 900 N Franklin St Chicago 10 Ill
Yale & Towne Mfg Co The Batavia N Y
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa
Yancey Bros 110 Jackson St N E Atlanta Ga
YANKEE METAL PRODUCTS CORP 25 Grand St Norwalk Conn
Yankee Motor Bodies Corp 1224 E Olympic St Los Angeles 2 Calif
Yates American Machine Co Beloit Wis
Yoder Mfg Co 1823 E 17th St Little Rock Ark
York Div Borg-Warner Corp York Pa
York Hoover Corp Body Div Wheatfield St & M P R R York Pa
Young & Bertke Co 2212 Breck St Cincinnati 22 Ohio
Young Radiator Co 700 S Marquette St Racine Wis
Young-Spring & Wire Corp Ottawa Steel Div Ottawa Kan
Youngstown Kitchens Div of American Standard 605 S Ellsworth St Salem Ohio
Youngstown Sheet & Tube Co P O Box 900 Youngstown 1 Ohio
Youngstown Steel Car Corp Hunter St Niles 6 Ohio

Z

Zac-Lac Paint & Lacquer Corp 350 Simpson St N W Atlanta 13 Ga
Zecol Inc 3270 S 3rd St Milwaukee 7 Wis
Zehr Products Co 2130 E Hazzard St Philadelphia 25 Pa
ZENITH CARBURETOR DIV BENDIX CORP 696 Hart Ave Detroit 14 Mich
Zephyr Mfg Co 201 Hindry Ave Inglewood Calif
Zierden Co 3815 S Kinnickinnic Ave Milwaukee 7 Wis
Zierick Mfg Corp Beechwood & Rockdale Aves New Rochelle N Y
Zim Mfg Co 2850 W Fulton St Chicago 12 Ill
Zip Abrasive Co 1360 W Ninth St Cleveland 13 Ohio
Zoerman Clark Mfg Co 624 N Mechanic St Jackson Mich
ZOLLNER CORP Buster Rd Fort Wayne Ind

He succeeds Welby M. Frantz of Eastern Motor Express, who becomes chairman of the ATA Board.

Elected first vice president was Clarence A. Kelley of Dixie-Ohio Express. R. Stuart Moore of Los Angeles-Seattle Motor Express was re-elected second vice president. Clinton L. Sands of Perkins Freight Lines was elected third vice president, and O. B. English of Red Ball Motor Freight became fourth vice president.

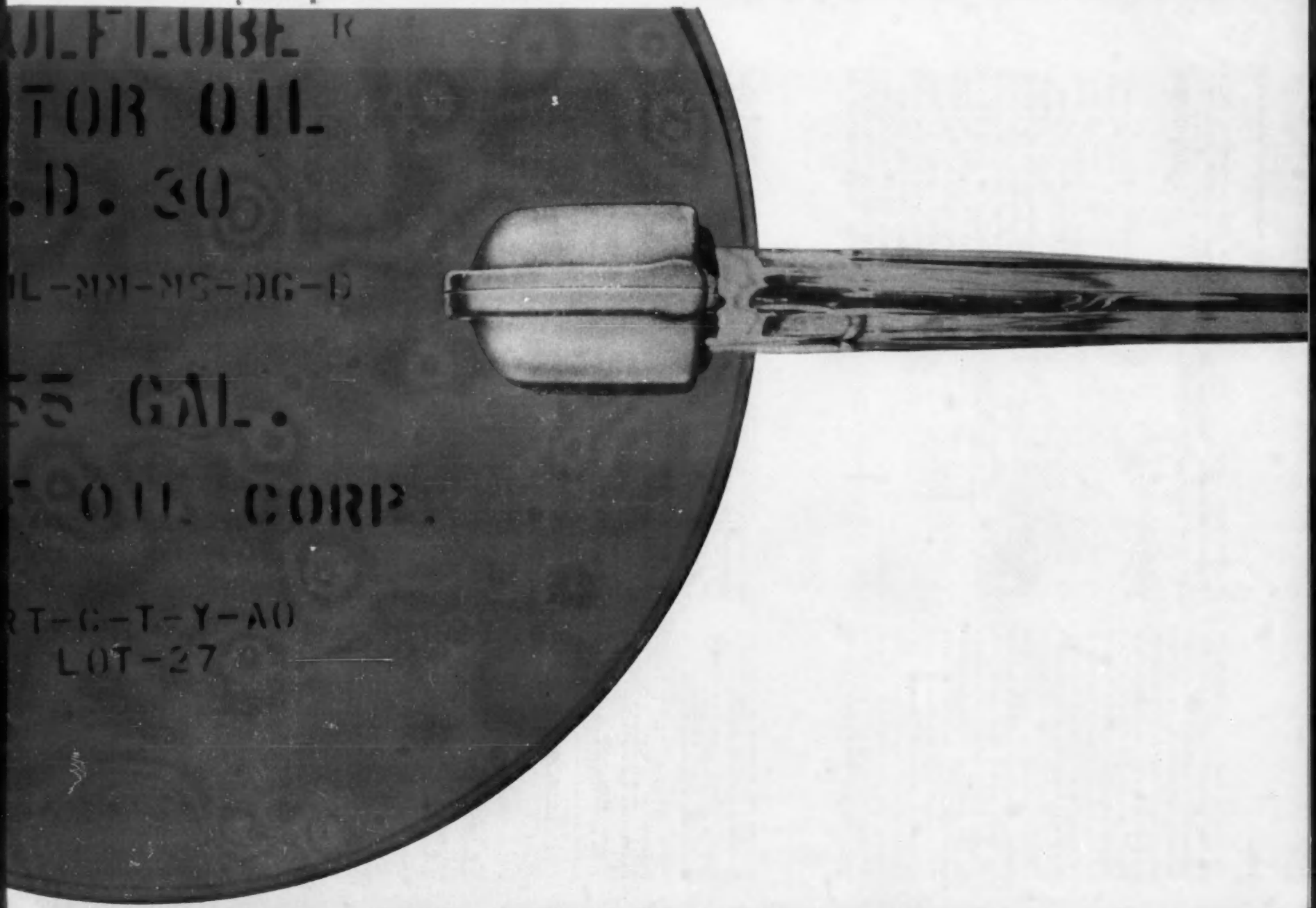
Re-elected secretary of ATA was Harry L. Gormley of Keystone-Lawrence Transfer & Storage. John M. Akers of Akers Motor Lines was re-elected Association treasurer.

Contract Carriers

Much discussion at meetings of ATA's Contract Carrier Conference revolved around the J-T Transport Co. decision by a U. S. District Court. In brief, this court held that the burden is not on the contract carrier seeking new operating permits to prove inadequacy of existing common carriers' services. The Conference's general counsel, C. D. Todd, said the decision should make it easier for contract carriers to obtain added authority — and more business because there would be less recourse to private carriage.

However, Interstate Commerce Commissioner Charles A. Webb reminded the contract carriers that the decision has been appealed by the ICC. Problem to be solved, as he sees it, is whether or not contract truck operation is a distinct mode of transportation as separate from common carrier truck lines as railroads, waterways and air lines are from highway transportation.

"You've done nothing but growl since we left that northwoods stopover, Alex . . . what's eatin' you?"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Holz GMC Trucks, Inc. NE 8-1676

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Truck Equipment Co. AP 8-6274

CALIFORNIA
Los Angeles
Engs Motor Truck Co. RA 3-6563
Sacramento
Truck Parts & Equip. Co. GI 1-2735
San Diego
Engs Motor Truck Co. BE 2-0115
San Francisco
Engs Motor Truck Co. AT 2-4804
San Jose
Truck Parts & Equip. Co. CY 2-4822

COLORADO—Denver
Costello Motor Co. KE 4-7121

CONNECTICUT
Hartford
Baumert-Moran Sales Co., Inc. JA 5-1126
New London
Samuel Fishkin & Son GI 3-1817
Torrington
Corsi Bros., Inc. HU 9-3855
West Haven
Lewis-Divco, Inc. WE 3-5481

DISTRICT OF COLUMBIA
Divco-Washington Sales Corp. LI 4-7494

FLORIDA
Miami
Hunt Truck Sales & Serv., Inc. NE 5-0331
Orlando
Acme Auto Service GA 5-8639
Tampa
Ray B. Crolle Co. 2-8511

GEORGIA
Atlanta
Divco Truck Sales & Ser. JA 5-4864
Columbus
Columbus Motor Co. FA 2-3333

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Advanced Divco, Inc. AV 3-7700
Hoefferle Auto & Truck Repair WA 5-0753
Rock Island
Tri-City Divco Sales Co. 8-6012
Springfield
Mounitz Truck Co. 7843

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J. A. Fogelman Truck Sales & Serv. EX 7-2067
Indianapolis
Gambs Truck Sales, Inc. ME 6-3453
South Bend-Mishiwaka
Divco-Indiana Truck Sales, Inc. BL 9-5249

IOWA
Cedar Rapids
Transport Truck & Equip., Inc. 3-8261
Des Moines
Iowa Bus Sales Co., Inc. "Call Info."
Sioux City
Noonan Motor Co. 5-1673

KENTUCKY—Louisville
General Truck Sales & Service JU 3-3611

LOUISIANA—Lafayette
Holloway & Co. CE 5-8388

MAINE—Portland
Divco-Wayne Sales & Service VI 6-5557

MASSACHUSETTS
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Divco Division, Inc. HI 2-2310
Lawrence
Simpson's, Inc.* 8-5462
Springfield
Springfield Trucks, Inc. RE 9-5687
Worcester
Worcester Divco Co. PL 2-1929

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Divco-Washington Sales Corp. SA 7-5249

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Detroit Divco Truck Sales, Inc. DR 1-5700
Grand Rapids
Detroit Divco Truck Sales LE 4-4900
Port Huron
Divco Port Huron Sales & Service* YU 2-4941
Saginaw
Wm. Rice, Jr.* PL 2-6686
Scottville
Howard E. Thiel PL 7-2504

MINNESOTA
Duluth
Divco Sales & Service RA 7-1569
St. Paul
Rihm Motor Co. MI 6-7833

MISSOURI
Kansas City
General Body Mfg. Co. HA 1-1380
St. Louis
Gus Schroeder Truck Repair Co. GA 1-0885

MONTANA
Billings
Billings White Truck Co. 9-3142
Great Falls
Great Falls White Co. "Call Info."

NEBRASKA—Omaha
Pixley Truck Sales Co. WE 9600

NEVADA—Reno
Truck Parts & Equip. Co. FA 2-8608

NEW HAMPSHIRE—Manchester
Truck Center, Inc. NA 3-7280

NEW JERSEY
Bradley Beach
General GMC Sales, Inc. PR 5-2565
Irvington
Divco Service Center, Inc. ES 2-4299
Paterson
Dorset Motors, Inc. AR 4-0700

NEW MEXICO—Albuquerque
Transportation Equip., Inc. CH 3-2345

NEW YORK
Albany
Hall-Ehlert GMC Sales, Inc. AL 4-7178
Binghampton
Taylor-White Trucks, Inc. 2-6466
Bronx
Carniglia Motors, Inc. DA 9-3700
Brooklyn
Diamond T Sales & Ser., Inc. EV 9-5757
Buffalo
Phillips Bros. Garage, Inc. TA 3226
J. H. Schmitz, Inc.* RI 9336
Hicksville, L.I.
Mineola Mack Dist., Inc. WE 1-7900
Huntington Station
McCarthy's Servicenter* 1399
Middle Island
Mineola Mack Dist., Inc. YA 4-3333
Middle Village
Divco Long Island Sales & Service VA 1-4282
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Phillips Garage* ST 7072
Syracuse
L. B. Smith, Inc. GR 5-2196
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Buckley Mack Co., Inc. SU 8-0800
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Raleigh
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Winston-Salem
Carolina Garage, Inc. PA 3-7305

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Cleveland
Divco Cleveland Sales, Inc. EN 1-5969
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Keller Motor Sales WI 3-8187
Erie
Divco Truck Service 4-6294
Lancaster
A. B. Hollinger & Son, Inc. 3-3633
Philadelphia
Divco Philadelphia Sales Corp. BA 2-6053
Pittsburgh
Koch Service, Inc. FA 1-4026
Reading
Reading Mack Dist., Inc. WA 9-9433
York
Roosevelt Garage, Inc. 5713

RHODE ISLAND—Pawtucket
Pierce Chevrolet, Inc. 3-4900

SOUTH CAROLINA—Charleston
Southern Truck Co. RA 2-0526

TENNESSEE
Memphis
M & M Sales BR 8-2517
Nashville
Neely Cobb Co. AL 5-0564

TEXAS
Amarillo
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Houston
Patso Co., Inc. CA 3-4296

UTAH—Salt Lake City
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Dickerson GMC, Inc. DI 5-0951

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Seattle
Fagnel Motors, Inc. MA 2-4460
Spokane
Inland Diesel & Mach. Co. KE 5-2434

WEST VIRGINIA
Huntington
Mueller White Truck Co. JA 2-7329
Wheeling
Bruce H. Seabright CE 3-1880

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August Schmidt Co. BR 1-4633

CANADA
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State Truck Associations 290
State and Sectional Bus Associations 293
Local Fleet Associations 294
Society of Automotive Engineers Local Sections and Groups 294
State Highway User Conferences .. 296
American Road Builders Assn. Contractors Division State Affiliates 296
Associated General Contractors of America Highway and Heavy Division 301
Associated Equipment Distributors . 301
Schools Offering Fleet Courses 308

FLEET BUYERS' DIRECTORY 1961

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Herbert B. Simpson, San Francisco, Cal. (California & supervision in 12 Western States)
George A. White, Arlington, Va. (Del., Md., N. J. & Pa.)
(See also State Highway Users Conferences)

NATIONAL SAFETY COUNCIL (1913), 425 N. Michigan Ave., Chicago 11.
STAFF EXECUTIVES:
Howard Pyle, President.
G. C. Stewart, Exec. V. P.
Alfred C. Finch, Mgr., Motor Transport Dept.

NATIONAL TRUCK LEASING SYSTEM (1945), 23 E. Jackson Blvd., Chicago 4, Ill., Miss Martha Dunlap, Exec. Dir.

NATIONAL TRUCK TANK & TRAILER TANK INSTITUTE, 120 S. LaSalle St., Chicago 3, Allan R. Smith, Exec. Sec.

NATIONAL WHEEL & RIM ASSN., 1032 Hendricks Ave., Jacksonville 7, Fla., B. H. Thomas, Exec. Sec.

PETROLEUM EQUIPMENT SUPPLIERS ASSN., 1536 Esperson Bldg., Houston 2, Texas, H. R. Safford, Jr., Exec. V. P.

PORTLAND CEMENT ASSN., 33 W. Grand Ave., Chicago 10, Ill., G. Donald Kennedy, Pres.; Richard G. Knox, Mgr., Public Relations Bureau.

POWER CRANE & SHOVEL ASSN., 630 Third Ave., New York 17, Herbert S. Blake, Jr., Sec.

PRIVATE TRUCK COUNCIL OF AMERICA, INC. (1939), (Formerly National Council of Private Motor Truck Owners, Inc.), Sheraton Bldg., Washington 5, D. C., James D. Mann, Man. Dir.

RUBBER MANUFACTURERS ASSN., INC., 444 Madison Ave., New York 22, N. Y., Ross R. Ormsby, Pres.

SCHOOL BUS BODY MANUFACTURERS ASSN — TBEA INDUSTRY DIV., Suite 454, NADA Bldg., 2000 K St., N. W., Washington 6, D. C.

SOCIETY OF AUTOMOTIVE ENGINEERS, INC. (1905), 485 Lexington Ave., N. Y.
STAFF EXECUTIVES:
Sec. & Gen. Mgr.—Joseph Gilbert.
Engineering Activity Committees Div. —Wm. I. Marble, Mgr.
Meetings Operations & Displays — Robt. W. Crory, Mgr.
Sections, Membership & Students Div. —Hollister Moore, Mgr.
Technical Committee Div. — M. L. Stoner, Mgr.
SAE Journal — Norman G. Shidle, Editor.
SAE Technical Committee Branch Office—635 New Center Bldg., Detroit, Mich., G. J. Gaudaen, Mgr.
SAE Western Branch Office—714 W. Olympic Blvd., Los Angeles 15, Cal., E. W. Rentz, Jr., Mgr.
(See also SAE Sections and Groups)

SPRING RESEARCH INSTITUTE, 1008 Standard Bldg., 1370 Ontario St., Cleveland 13, Ohio, Ira Saks, Exec. Dir.

TIRE RETREADING INSTITUTE, A Div. of National Tire Dealers & Retreaders Assn., Inc., 1012 14th St., N.W., Washington 5, D. C.

TRANSPORTATION ASSN. OF AMERICA (1935), 1000 Connecticut Ave., N.W., Washington 6, D. C., Harold F. Hammond, Exec. V. P., 6 N. Michigan Ave., Chicago 2, Edith C. Krogh, Treas.

TRUCK BODY AND EQUIPMENT ASSN., INC. (1948), Suite 454, NADA Bldg., 2000 K St., N.W., Washington 6, D. C., Arthur H. Nuesse, Exec. Mgr.

TRUCK - TRAILER MANUFACTURERS ASSN., INC. (1941), Room 710, Albee Bldg., 1426 G St., N.W., Washington 5, D. C., John B. Hulse, Mgr.-Dir.

WESTERN HIGHWAY INSTITUTE (1947), 130 Montgomery St., San Francisco 4, Cal., John L. Springer, Exec. Dir.

MARYLAND MOTOR TRUCK ASSN. INC. (1935), 3000 Washington Blvd., Baltimore, Thomas E. Widerman, Gen. Mgr.

MASSACHUSETTS MOTOR TRUCK ASSN. INC. (1919), 262 Washington St., Boston 8, John M. Bresnahan, Exec. V. P.

MICHIGAN TRUCKING ASSN. INC. (1934), 376 Fort Shelby Hotel, Detroit 26, William W. Johnston, Man. Dir.

MINNESOTA MOTOR TRANSPORT ASSN. (1932), 2451 University Ave., St. Paul, Oscar Z. Remsberg, Exec. V. P.

MISSISSIPPI TRUCKING ASSN. INC. (1943), Suite 543 King Edward Hotel, Jackson, C. R. Bradley, Gen. Mgr.

MISSOURI BUS & TRUCK ASSN. (1937), 628 Jefferson St., Jefferson City, U. G. Lewellen, Mgr.

MONTANA MOTOR TRANSPORT ASSN. (1938), 912 Wyoming Ave., Box 1244, Billings, Leonard W. Eckel, Man. Dir.

NEBRASKA MOTOR CARRIERS ASSN. INC. (1924), Suite A, 500 S. 13th St., Lincoln, Paul Halpine, Sec.

NEVADA MOTOR TRANSPORT ASSN. (1939), 1093 S. Virginia St., Box 3037, Reno, Robert Guinn, Managing Dir.

NEW HAMPSHIRE TRUCK OWNERS ASSN. INC. (1936), Box 665, 275 Hanover St., Manchester, A. J. Staby, Sec. Mgr.

NEW JERSEY MOTOR TRUCK ASSN. INC. (1915), 10 Hill St., Newark 2, D. J. Crecca, Exec. Dir.

NEW MEXICO MOTOR CARRIERS ASSN. (1938), Box 541, Albuquerque, Leslie R. Thomas, Man. Dir.

EMPIRE STATE HIGHWAY TRANSPORTATION ASSN. INC., 44 E. 23rd St., New York 10, Jos. M. Adelizzi, Man. Dir.

NORTH CAROLINA MOTOR CARRIERS ASSN. INC. (1929), 219 W. Martin St., Raleigh, N. C., J. T. Outlaw, Exec. V. P.

NORTH DAKOTA MOTOR CARRIERS ASSN. INC. (1934), 110 Third St., Bismarck, N. D., George H. Engeiter, Sec.-Mgr.

OHIO TRUCKING ASSN. INC. (1918), Hotel Deshler-Hilton, Columbus, Ohio, Ellis S. Perlman, Man. Dir.

ASSOCIATED MOTOR CARRIERS OF OKLAHOMA, INC. (1932), P. O. Box 983, Suite 2315 Biltmore Hotel, Oklahoma City, Okla., Fisher Muldrow, Exec. V. P.

OREGON TRUCKING ASSNS. INC. (1939), Suite 2307, Lloyd Center, Portland, Ore., Robert R. Knipe, Man. Dir.

PENNSYLVANIA MOTOR TRUCK ASSN. INC. (1928), 7th Floor, Telegraph Bldg., Harrisburg, Pa., Edward Gogolin, Gen. Mgr.

RHODE ISLAND TRUCK OWNERS ASSN. INC. (1931), 49 Weybosset St., Providence 3, R. I., Mrs. L. M. Daly, Secy.

MOTOR TRANSPORTATION ASSN. OF SOUTH CAROLINA, INC. (1933), 2425 Devine St., Columbia, S. C., William B. Love, Jr., Gen. Mgr.

ASSOCIATED MOTOR CARRIERS, INC. OF SOUTH DAKOTA (1937), P. O. Box 496, 104 West 8th St., Sioux Falls, S. D., E. R. Nelson, Gen. Mgr.

TENNESSEE MOTOR TRANSPORT ASSN., INC. (1934), Hermitage Hotel Office Bldg., Nashville 3, Bob Mullins, Mgr.

***PRIVATE TRUCK OWNERS ASSN. OF TEXAS, INC.**, Box 1091, Littlefield Bldg., Austin, Carl C. Hardin, Exec. V. P.

TEXAS MOTOR TRANSPORTATION ASSN., INC. (1932), 406 E. 11th St., P. O. Box 92, Austin 61, James E. Taylor, Exec. Dir. (Also buses.)

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Borbein, Young & Co., Wichita

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Rim & Wheel Service Co., Detroit
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Pioneer Rim & Wheel Co., Minneapolis

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Borbein, Young & Co., St. Louis
Borbein, Young & Co., Springfield

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Morgan Wheel & Equipment Co., Omaha
Omaha Rim & Wheel Co., Omaha

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Kay Wheel Sales Co., Vineland

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Wheels & Brakes, Inc., Albuquerque

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Wheels Incorporated, Albany
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United Automotive Service, Inc., Winston Salem

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Motor Rim Manufacturers Co., Cleveland
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Rim & Wheel Service Inc., Dayton
Wheel & Rim Sales Co., Toledo

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Southwest Wheel, Inc., Oklahoma City

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Auto Wheel Service, Inc., Portland

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Standard Wheel & Rim Co., Harrisburg
Standard Wheel & Rim Co., Lancaster
Kay Wheel Sales Co., Philadelphia
Wheel & Rim Sales Co., Pittsburgh

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New England Wheel & Rim Co., Providence

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Wheels & Brakes, Inc., Knoxville
Beller Wheel, Brake & Supply Co., Memphis
Beller Wheel, Brake & Supply Co., Nashville

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Southwest Wheel Inc., Dallas
Southwest Wheel Inc., El Paso
Southwest Wheel Inc., Houston
Southwest Wheel Inc., Lubbock
Southwest Wheel Inc., San Antonio

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Henderson Rim & Wheel Service, Salt Lake City

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Dixie Wheel Co., Inc., Richmond

WASHINGTON
Motor Wheel & Parts Co., Seattle
Bearing & Rim Supply Co., Spokane

WISCONSIN
Wisconsin Wheel & Rim, Inc., Milwaukee

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Alberta Wheel Distributors, Ltd., Edmonton
Automobile Supply Co., Ltd., Winnipeg
Ft. Gary Tire & Auto Supplies, Ltd., Winnipeg
Auto Wheels & Supplies, Ltd., Montreal
Wheels & Equipment, Ltd., Vancouver
Wheel & Rim Company of Canada, Toronto
Mutual Supplies, Ltd., Calgary
Brakes & Wheels, Ltd., Regina

STATE TRUCK ASSOCIATIONS—*continued*

UTAH MOTOR TRANSPORT ASSN., INC. (1932), 208 W. 8th St., S., Box 686, Salt Lake City 10, L. Darrel Welling, Mgr.

VERMONT TRUCK & BUS ASSOCIATION, INC. (1934), P. O. Box 288, Montpelier, Vt., W. L. McKee, Mgr.

VIRGINIA HIGHWAY USERS ASSN., INC. (1931), Box 1397, Jefferson Hotel, Richmond 11, E. H. Williams, Jr., Exec. V. P.

WASHINGTON MOTOR TRANSPORT ASSN., INC. (1923), 4101 4th Ave., S., Seattle, William E. Hicks, Man. Dir.

WEST VIRGINIA MOTOR TRUCK ASSN., INC. (1936) 302 Duffy St., Box 5217, Charleston, Emmett J. Bush, Man. Dir.

WISCONSIN MOTOR CARRIERS ASSN. (1931), One W. Main St., Madison, John P. Varda, Gen. Mgr.

WYOMING TRUCKING ASSN., INC. (1940), River Cross Addition, P. O. Box 1889, Casper, L. E. Meredith, Man. Dir.

STATE AND SECTIONAL BUS ASSOCIATIONS

ALABAMA BUS ASSN., 520 N. Court St., Montgomery, Ala., Luther Vines, Sec.

***ARIZONA BUS ASSN.**, 313 North 1st St., Phoenix, Ariz., R. N. Dick, Sec.-Treas.

***ARKANSAS BUS AND TRUCK ASSN.** (See State Motor Truck Assn.)

***CALIFORNIA BUS ASSN.** (1955), 1322 Webster St., Oakland, Cal., Harvey Scott, Sec.-Mgr.

CONNECTICUT MOTOR STAGE ASSN., 66 Linden St., Waterbury, Conn.—Frank T. Healey, Jr., Sec.

SOUTHEASTERN BUS TRAFFIC ASSN., INC., Division National Bus Traffic Assn., 81 Cain St., N.W., Atlanta, Ga., Mrs. Mary H. Williams, Sec.

***ILLINOIS BUS ASSN.** (1925), 523 E. Capitol Ave., Springfield, Ill., Mrs. Altoe Nelson Stone, Exec. Sec.

***INDIANA BUS ASSN., INC.** (1935), 1112 The Fidelity Bldg., 111 Monument Circle, Indianapolis 4, Ind., Harry J. Harman, Sec.

MARYLAND MOTOR BUS OPERATORS ASSN., INC., 2600 N. Howard St., Baltimore, R. W. Van Atta, Pres.

***MICHIGAN MOTOR BUS ASSN.** (1921), 404 Hollister Bldg., Lansing, Mich., Carl S. Buchanan, Sec. & Mgr.

MISSOURI BUS & TRUCK ASSN. (1937), 628 Jefferson St., Jefferson City, U. G. Lewellen, Mgr.

***NEW ENGLAND BUS ASSN.**, 87 Castle St., P. O. Box 98, Geneva, N. Y., Leon A. Penoyer, Exec. Sec.

(TURN TO NEXT PAGE, PLEASE)

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STATE BUS ASSOCIATIONS—*continued*

NEW ENGLAND TRANSIT CLUB, 10 High St., Boston 10, Mass., Ralph D. Baker, Sec.

***NEW JERSEY MOTOR BUS ASSN., INC.,** (1935), 921 Bergen Ave., Jersey City, N. J., Nathaniel L. Fish, Sec.-Treas.

***INTERCITY BUS ASSN. OF NEW YORK STATE, INC.** (1938), 100 State St., Room 1015, Albany 7, N. Y., Ruth Stracher, Exec. Sec.

NEW YORK STATE MOTORBUS ASSN., INC. (1934), D. & H. Bldg., 19-20 Plaza, Albany 7, Lt. Gen. B. T. Fay, Exec. V. P. & Sec.

NORTHEASTERN BUS TRAFFIC ASSN., c/o Eastern Greyhound Lines, 2600 Hamilton Ave., Cleveland 14, Ohio, J. E. Donahue, Chairman.

***OHIO MOTOR BUS ASSN.** (1922), 12 N. 3rd St., Columbus 15, Ohio, Alex Hogg, Sec.-Treas.

ASSOCIATED MOTOR CARRIERS OF OKLAHOMA, INC. (1932), Suite 2315, Biltmore Hotel, P. O. Box 983, Oklahoma City, Okla., Fisher Muldrow, Exec. V. P.

***OREGON BUS ASSN.** (1933), 400 E. Powell Blvd., Gresham, Ore., E. G. Larson, Pres.

***PENNSYLVANIA BUS ASSN.** (1923), Telegraph Bldg., Locust & Court Sts., Harrisburg, Pa., Jennie B. Brugnoni, Exec. Sec.

***TEXAS MOTOR BUS ASSN., INC.,** 1021 Riverside Dr., Brownwood, Tex., I. F. Bay, Pres.

TRI-STATE MAINTENANCE ASSN., c/o Philadelphia Suburban Trans. Co., 69th St. Terminal, Upper Darby, Pa., Walter A. Lorentz, Sec.

***VIRGINIA PASSENGER BUS ASSN.,** Box 7236, Richmond 21, Va., Harris Mitchell, Exec.-Sec.

***MOTOR COACH ASSN. OF WASHINGTON** (1920), 204 Security Bldg., Olympia, Wash., Vernon L. Lindskog, Secy.

***WEST VIRGINIA BUS ASSN.** (1924), Kan Valley Bank Bldg., Charleston, W. Va., H. W. Hanna, Jr., Sec.

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LOCAL FLEET ASSOCIATIONS

SOCIETY OF FLEET SUPERVISORS OF GREATER MIAMI, P. O. Box 267, Riverside Station, Miami 10, Fla., Truman L. Smith, Sec.

FLEET SUPT. ASSN. (1951), W. C. Knott, Pres., c/o Sealtest Foods So. Div., 593 Glen Iris Dr., N.E., Atlanta 8, Ga.

MIDWEST FLEET SAFETY SUPERVISORS ASSN., P. O. Box 3576, St. Paul, Minn., Harold L. Taylor, Sec.

GREATER KANSAS CITY FLEET MAINTENANCE ASSN, 4838 Woodend, Kansas City 6, Kans., J. B. Anderson, Sec.

MAINTENANCE COUNCIL OF THE N. CAROLINA MOTOR CARRIERS ASSN. (1953), H. R. Shaver, Sec., c/o GMC Truck & Coach Div., Charlotte, N. C.

SOCIETY OF FLEET SUPERVISORS, INC. (New York) (1945), Bernard C. Feldman, Sec., c/o American Red Cross, 315 Lexington Ave., New York, N. Y.

MOTOR TRUCK MAINTENANCE CLUB OF NEW YORK (1925), c/o James F. Harris, Sec.-Treas., Consolidated Edison Co., 4 Irving Place, New York 3, N. Y.

TRUCK AND BUS MAINTENANCE ASSN. OF BUFFALO, INC., Frank Spoeri, Corresponding Sec., 42 Crescent Ave., Buffalo, N. Y.

OKLAHOMA CITY FLEET SUPERVISORS ROUND TABLE, 319 Hales Bldg., Oklahoma City, Okla., Glenn Smith, Chairman.

FLEET MAINTENANCE ASSN. OF PHILADELPHIA, INC. (1948), 16 Dechert Rd., Conshohocken, Pa., Jack R. Schaefer, Sec.

FLEET MAINTENANCE COUNCIL INC. OF AKRON, 200 Carroll St., Akron, Ohio, Clyde Lang, Sec.

MUNICIPAL LICENSE TAX ASSN., 1625 Russ Bldg., San Francisco 4, Cal., P. A. Anderson, Exec. V. P.

SOCIETY OF AUTOMOTIVE ENGINEERS LOCAL SECTIONS AND GROUPS

ALBERTA Group: Geo. A. C. Higgs, Sec., 2211 Ninth Ave., N.W., Calgary, Alberta, Canada.

ATLANTA Section: John M. Malone, Sec., 241 Chelsea Dr., Decatur, Ga.

BALTIMORE Section: J. W. Lippert, Sec., 1507 Tredegar Ave., Catonsville 28, Md.

BRITISH COLUMBIA Section: R. B. Thicke, Sec., Pacific Truck & Trailer Ltd., 1460 Franklin St., Vancouver 9, B. C., Canada.

BUFFALO Section: Merle S. Day, Sec., 129 Harrison Ave., Kenmore 23, N. Y.

CENTRAL ILLINOIS Section: R. E. Seyfried, Sec., 1718 Westaire, Peoria, Ill.

CHICAGO Section: I. R. Dawson, Sec., Dev. Engr., Aluminum Co. of America, 520 N. Michigan Ave., Chicago 11, Ill.

CINCINNATI Section: John F. Dooley, Jr., Sec., Assoc. Engr.-Transp. Dept., Cincinnati Gas & Electric Co., 2130 Dana Ave., Cincinnati 7, Ohio.

CLEVELAND Section: H. C. Simons, Sec., Sales Mgr., Eaton Mfg. Co., Heater Div., E. 65th St. & Central Ave., Cleveland 4, Ohio.

COLORADO Group: V. H. Knowles, Dist. Mgr., Mack Trucks, Inc., 4850 Vasquez Blvd., Denver 16, Colo.

DAYTON Section: Arthur R. Shaw, Asst. Chief Engr., Delco Moraine Div., GMC, Dayton, Ohio.

DETROIT: H. C. MacDonald, Sec., 1621 Club Drive, Rt. 3, Bloomfield Hills, Mich.

FORT WAYNE Section: Richard S. Johnson, Sec., 5163 Northcrest Dr., Fort Wayne, Ind.

HAWAII Section: Harry D. Smith, Sec., 636 Elepaio St., Honolulu, Hawaii.

INDIANA Section: B. A. Woodhull, Sec., 2219 Sims Drive, Columbus, Ind.

KANSAS CITY Section: Frederic T. Weisman, Sec., 8401 W. 91st Terrace, Overland Park, Kan.

METROPOLITAN Section: Jere T. Farrah, Sec., Sunview Drive, Glen Cove, N. Y.

MID-CONTINENT Section: O. L. Spilman, Sec., 616 E. Detroit, Ponca City, Okla.

MID-MICHIGAN Section: Karl Schwartzwalder, Sec., Dir. Res., AC Spark Plug Div., GMC, 1300 N. Dort Hwy., Flint 2, Mich.

MILWAUKEE Section: D. R. Neeld, Mgr. of Engrg., Eng. Div., Nordberg Mfg. Co., 3073 S. Chase Ave., Milwaukee 1, Wis.

MOHAWK-HUDSON Section: F. L. Fina, Jr., Asst. Engr., County of Saratoga Highway Dept., 31 Woodlawn Ave., Saratoga Springs, N. Y.

MONTREAL Section: Gaston Beauchamp, Engr. Exec. Asst., Montreal Transportation Commission, Vehicle Maint. Dept., 8845 St. Lawrence Blvd., Montreal, Quebec, Canada.

NEW ENGLAND Section: J. E. Jorgenson, 11 Rustlewood Dr., Canton, Mass.

NORTHERN CALIFORNIA Section: P. L. Pinotti, Product Engr., Standard Oil Co. of California, 225 Bush St., San Francisco, Cal.

NORTHWEST Section: M. E. Earnheart, Truck Welding & Equipment Co., 739 Ninth Ave., N., Seattle 9, Wash.

ONTARIO Section: G. R. Jackson, Sec., 343 Durie St., Toronto, Ontario, Canada.

OREGON Section: John R. Deffenbaugh, Sec., 6024 S. E. 55th Ave., Portland 6, Ore.

PHILADELPHIA Section: Laurence J. Test, Supervisor, Auto. Lab., Atlantic Refining Co., 2700 Passyunk Ave., Philadelphia, Pa.

PITTSBURGH Section: W. C. Weltman, Jr., Engr., Auto Sec., Aluminum Co. of America, Sales Dev. Div., Box 1012, New Kensington, Pa.

ROCKFORD-BELOIT Section: E. J. Retzinger, Town Hall Rd., Beloit, Wis.

ST. LOUS Section: G. L. Scofield, Prof., Mech. Engrg., Missouri School of Mines & Metallurgy, Mech. Engrg. Dept., Rolla, Mo.

SALT LAKE Group: J. H. Coverdale, Continental Oil Co., Boxes 2250 & 2280, Salt Lake City, Utah.

SAN DIEGO Section: Henry W. Callihan, Sec., 1245 Chalcedony, San Diego 9, Cal.

SOUTHERN CALIFORNIA Section: Rudolph K. Polak, Engr., Essick Mfg. Co., 1950 Santa Fe Ave., Los Angeles 21, Cal.

SOUTHERN NEW ENGLAND Section: John N. Humber, Project Engr., American Bosch Div., American Bosch Arma Corp., 3664 Main St., Springfield 7, Mass.

SOUTH TEXAS Group: Wm. P. Teich, Asst. to Pres., Auto. Res. Associates, 2901 Bandera Rd., San Antonio 1, Tex.

SPOKANE-INTERMOUNTAIN Section: Lloyd Massender, Sec., 6300 N. Forest Blvd., Spokane 15, Wash.

SYRACUSE Section: W. E. Biesemeyer, Engr. Rep., Rollaway Bearing Co.,

(TURN TO PAGE 296, PLEASE)

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AFTER YOU, BUDDY.
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HEAVY-DUTY IGNITION FOR PROFIT-CONSCIOUS FLEETS
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TEXAS-GULF COAST Section: P. G. Anderson, Sec., 8626 Pritchett Drive, Houston 35, Tex.

TWIN CITY Section: J. B. McFall, Ch. Exper. Engr., D. W. Onan & Sons, Inc., 2514 University Ave., S. E., Minneapolis 14, Minn.

VIRGINIA Section: E. B. Sidoli, Jr., Bingham Truck Service, 107 W. Canal St., Richmond, Va.

WASHINGTON Section: Jordan E. Johnson, Sec., 1707 Woodman Ave., Silver Spring, Md.

WESTERN MICHIGAN Section: M. V. Dadd, 2532 White St., R. F. D. 68, Muskegon, Mich.

WICHITA Section: R. W. Dagenais, 1516 Pleasant View Dr., Wichita 3, Kansas.

WILLIAMSPORT Group: James C. Hughes, Sr., Project Engr., Lycoming Div., AVCO Corp., Oliver St., Williamsport, Pa.

STATE HIGHWAY USER CONFERENCES

ALABAMA: James J. Britton, Exec. Sec., Alabama Petroleum Council, 617 Guaranty Savings Life Bldg., Montgomery 4.

ARIZONA: (Temporarily Vacant).

ARKANSAS: D. E. Fortson, Arkansas Assn. of Insurance Agents, 323 Hall Bldg., Little Rock.

CALIFORNIA: Alan G. Anderson, Exec. V. P., Private Truck Owners Bureau of California, 1625 Russ Bldg., San Francisco.

COLORADO: Clive Bradford, Exec. Secy., Colorado Auto Dealers Assn., 507 Boston Bldg., 17th at Champa, Denver 2.

CONNECTICUT: Nelson Brown, Exec. Sec., Connecticut Petroleum Council, 410 Asylum St., Hartford.

DELAWARE: Harry Cross, Exec. Secy., Delaware Oil Men's Assn., Parke Bldg., S. State St., P. O. Box 449, Dover.

FLORIDA: J. P. Gaines, Exec. V. P., Florida Motel Assn., Box 705, Orlando.

GEORGIA: Mrs. Betty Peeler, Secy., Assn. County Commissioners of Georgia, 1729 Candler Bldg., Atlanta.

IDAHO: Kenneth Miller, Mgr., Idaho State Automobile Assn., P. O. Box 2835, Boise.

ILLINOIS: James C. Gilruth, Room 1241, 30 N. LaSalle St., Chicago 2.

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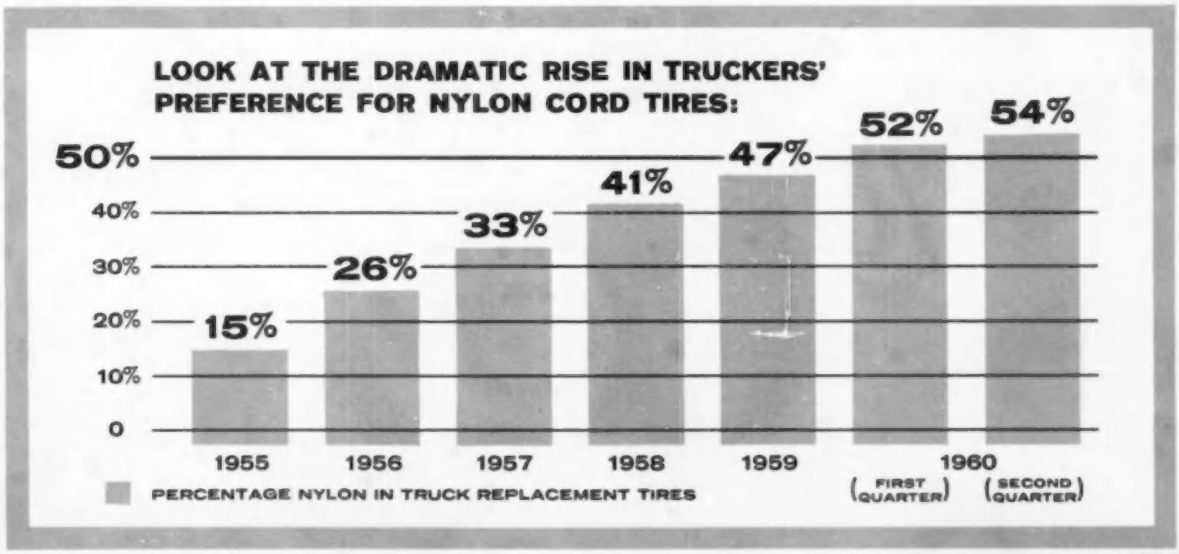
Why? It's simply a case of economics: Nylon cord tires cost less per mile. This is a fact—proved for themselves by truckers everywhere. Nylon casings offer many more safe retreads because they stand up under roughest use. Nylon's great impact strength means extra blowout protection, fewer road delays. Whether you operate one truck or fifty, the extra toughness of nylon means money in your pocket.



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"The only tires we buy are nylon cord tires."

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"We cut road delays in half when we switched to nylon cord tires."

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*More and more truckers are doing the same.

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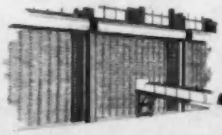
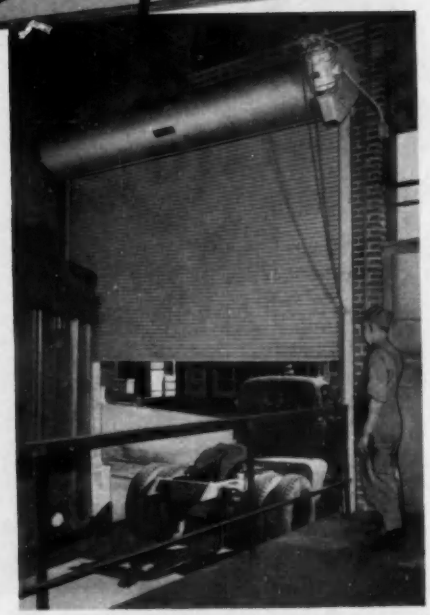
— with all advantages of space-saving upward action

Kinnear Counter Shutters — a curtain of interlocking aluminum or steel slats, in Kinnear's straight profile "Midget" slat design. Ideal for food-service and locker-room counters, pass-through openings to tool or parts rooms and similar areas.



Kinnear Rolling Grilles — provide an "openwork" curtain of steel bars and links. Blocks trespass, but not light, air or vision. Restrict passage anywhere — at corridors, stairwells, doorways, counter openings, or as area-dividers.

Kinnear Rol-Top Doors — sectional upward-acting doors. Wood or all-steel. Open to horizontal position above the doorway. Any number of panels for glass.



Kinnear Rolling Doors — interlocking-slat doors of zinc-coated steel (or aluminum or other metals) form a rugged upward-acting curtain that combines the utmost in efficiency, durability, protection.

Quick answers, yes — plus advantages you can't match with any other types of closures — *and extra durability as a bonus!*

In addition, they open completely out of the way . . . clear the entire opening . . . remain out of reach of damage while opened . . . complement any building architecture . . . assure extra protection . . . bar intrusion . . . discourage vandalism.

These and other Kinnear doors —proved on every type building through more than 60 years— are built to fit any opening, with manual or motorized operation. If you do not have Kinnear's complete 1960 catalog (shown above) write for free copy today!

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(TURN TO PAGE 304, PLEASE)

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"Two big reasons," they said at Chicago Express. "Safety and economy." Their records showed that tires with nylon cord were far safer because of BLOWOUT RESISTANCE, gave drivers a greater sense of security. And, the nylon cord retained a stronger base for recapping, the result—a much lower cost per mile. Safety and economy. What more could they have said to prove the superiority of nylon?

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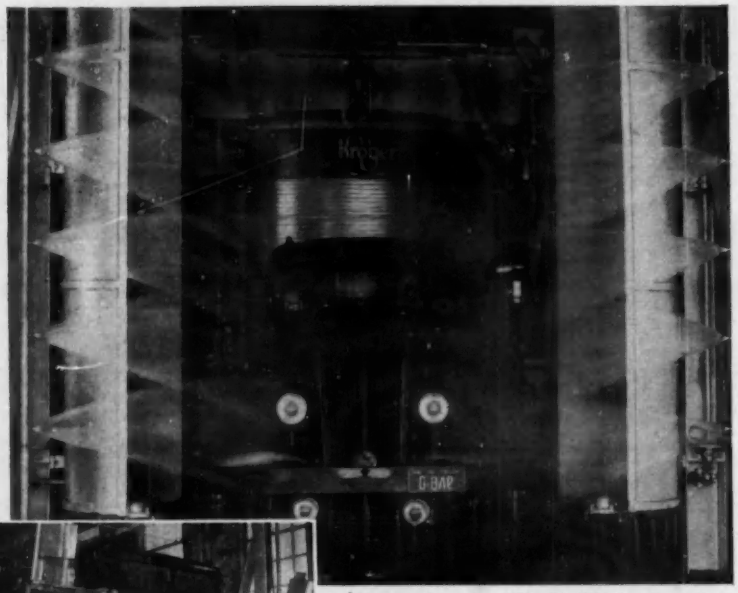
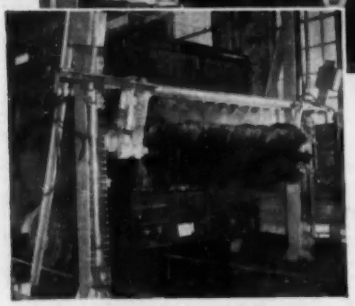
- Cut Washing time by as much as 80%!
- Do better, more efficient, washing job!
- Reduce actual washing costs!



Shown above is a "Blackhall" 2 brush washer installation. Modern merchandisers recognize the importance of clean equipment and "Bonus Value" features.



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633M

A Valiant Fleet

Navajo Freight Lines, Inc., Los Angeles, Cal., purchased eight new Valiants for its salesmen. Terminal Manager Curtis G. Bennett (left) displays the new fleet to H. "Irv" Lathrop special accounts executive for the Denver-based common carrier.

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(TURN TO PAGE 306, PLEASE)

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"We doubled our average mileage with LIPE CLUTCHES"

"In our type of operation, our 90 buses average 28 to 30 stops per hour picking up children in traffic," says R. H. Paradise, president of Schoolway Transportation, Hales Corners, Wisconsin.

"Our average clutch life under this type of operation has been 20,000 miles. Our first Lipe Clutch was pulled at 39,000 miles – almost double our fleet average."

Like fleets of all types, Schoolway is interested in fundamental cost and performance: Unit cost. Reliability. Number of engagements between teardowns. Total mileage. Cost of labor and replacement. Loss of equipment use.

To these basic considerations Lipe Clutches give the answers: Longer equipment use. More engagements between teardowns. More total mileage. Lower average cost per mile.

These answers show up in fleet cost-analyses everywhere. They tell why, the Country over . . .

***the trend is to* LIPE!**

There is a Lipe Clutch to meet requirements of vehicles 18,000 lbs. G.V.W. and up; for torque capacities from 200 to 3000 ft. lbs. For application assistance and specific data, contact the Company direct.

Lipe-ROLLWAY CORPORATION
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It's certainly possible. Mileage, of course, depends on many factors—loads, road conditions, traffic, even maintenance. For example, one of our Mo-Mile tests was on a fleet traveling mostly over turnpikes. The tires on the drive wheels traveled over 105,000 miles. On another fleet, traveling through the eastern mountains, our Mo-Mile retreads on the drive wheels topped 55,000 miles. On the former, the best previous mileage obtained from the best grade tread rubber was 75,000 miles. *Mo-Mile increased tread wear by 40%.* On the latter run, previous maximum mileage was 40,000. *Here Mo-Mile increased tread wear by 37%!*

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Your regular recapper can retread your tires with Mo-Mile using his regular equipment. You'll pay more per tire, but in total you'll pay much less. Prove it yourself. Specify Mo-Mile on the next tire you get recapped. Or mail us your retreader's name and address. We'll send him complete details immediately.

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THE MOHAWK RUBBER COMPANY
Akron 5, Ohio

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Reefer Insulation

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(TURN TO PAGE 308, PLEASE)

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METRO-MITE, today's economical small delivery truck. Components of USS COR-TEN High-Strength Low-Alloy Steel contribute to its lightness, strength, and economy of operation.

It's tough . . . it's light . . . it's the Metro-Mite

Built strong and light with components of High-Strength Steel

Looking for a delivery truck that can economically handle payloads up to 1000 pounds? One with a capacity of about 200 cubic feet? Or are you a stickler on low gas consumption? Well, here's news about a new delivery truck that combines *all* these advantages . . . International Harvester's METRO-MITE, engineered and built by their subsidiary, Metropolitan Body Company, Bridgeport, Connecticut.

One of the reasons the Metro-Mite is so popular is unitized body construction, with flooring, step wells, wheel housings and body shell supports made of High-Strength Steel. These sections, using 12- to 16-gage sheets, are welded together into a strong, firmly aligned, unitized structure. To it are bolted all chassis and body subassemblies.

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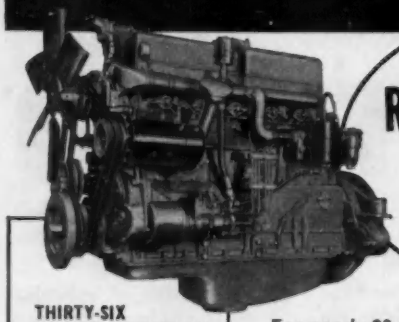

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Truck mount cranes made by Stratton Equipment Co., Cleveland, Ohio, are subject of new literature offered to fleetmen. If your shop is using "Jeeps" for service work, you'll be interested in the bulletin titled "Hydro-Implement Lift for 'Jeep' Vehicles."

For free copy circle 468 on reply card

"Hydro Truck Cranes" is the title of another bulletin. In it you'll find truck mount cranes to meet every requirement in your fleet operation.

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Connecting rod reconditioning and alignment service newly available for fleet shops is explained in a brochure from Center Precision Co., Tulsa, Okla. Company claims to provide precision service on connecting rods for all types of engines. Brochure is titled "Precision Connecting Rod Reconditioning."

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Mobile hydraulic cranes for all types of fleet use are described in a new bulletin showing the complete line from Ruger Equipment, Inc., Uhrichsville, Ohio. Cranes for automotive, maintenance and materials handling operations with capacities ranging from 500 to 6000 lb are fully illustrated.

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Brake linings for fleet vehicles with straight air, vacuum, electric or other mechanical cam type brakes are listed in a 48-page catalog from Wagner Electric Corp., St. Louis, Mo. Easy-to-find references include lining set numbers, corresponding brake sizes and vehicle models.

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Portable truck scale newly available from Toledo Scale Corp., Toledo, Ohio, is presented in

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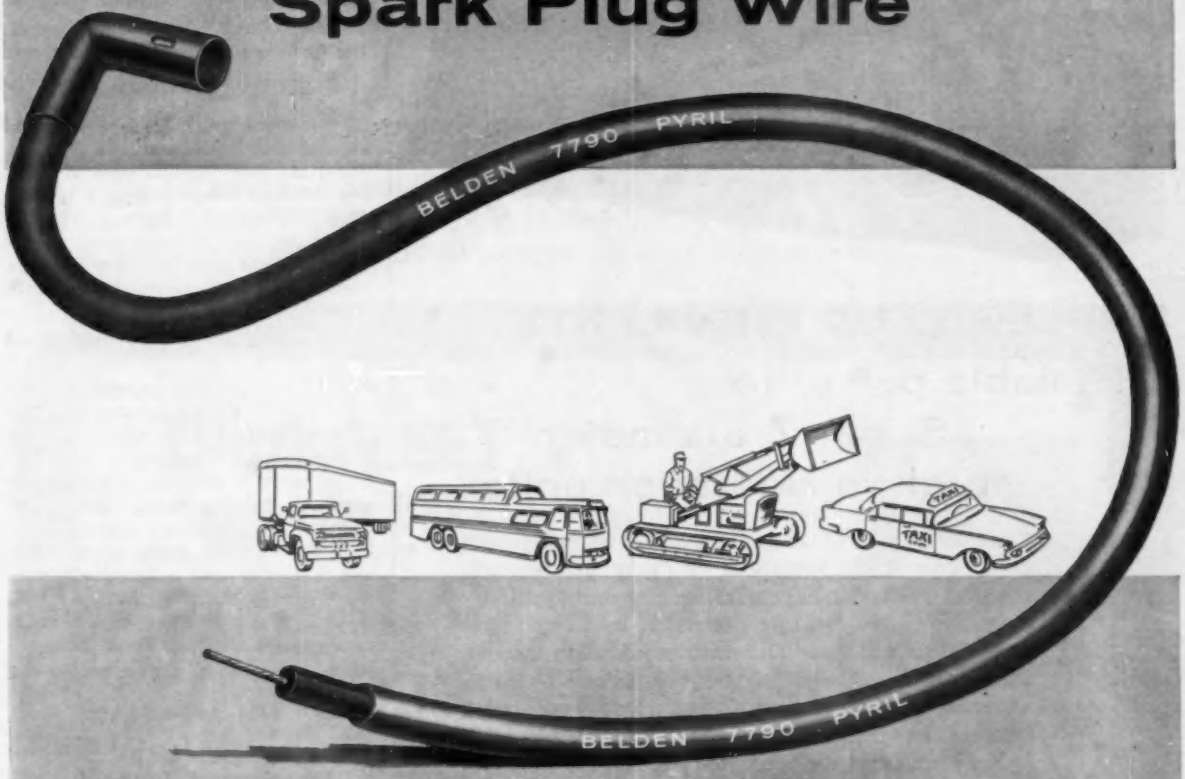

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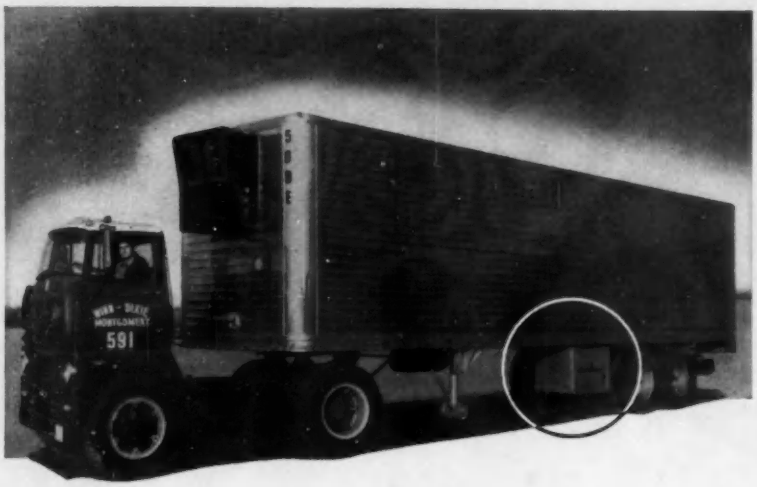

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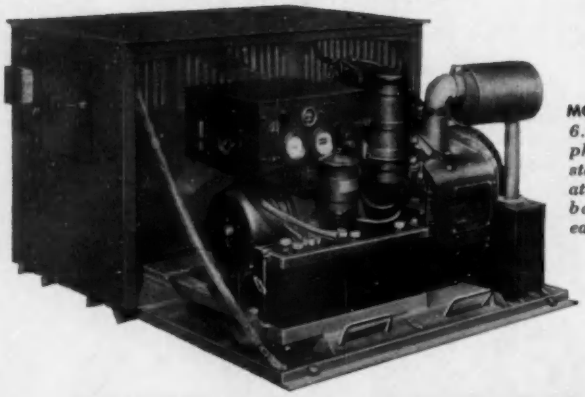

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a descriptive multi-color brochure (Form No. 2421). The new portable motor truck scale features many platform sizes and various types of weight indication.

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Filters for oil, air and fuel systems on all types of American and foreign-made vehicles are listed in a new 116-page catalog from Wix Corp., Gastonia, N. C. Three sections include cross references by filter make and model, equipment make and model and manufacturer's part numbers.

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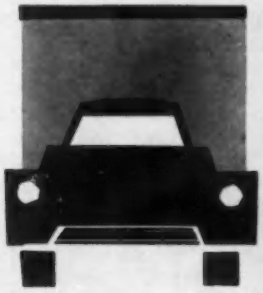

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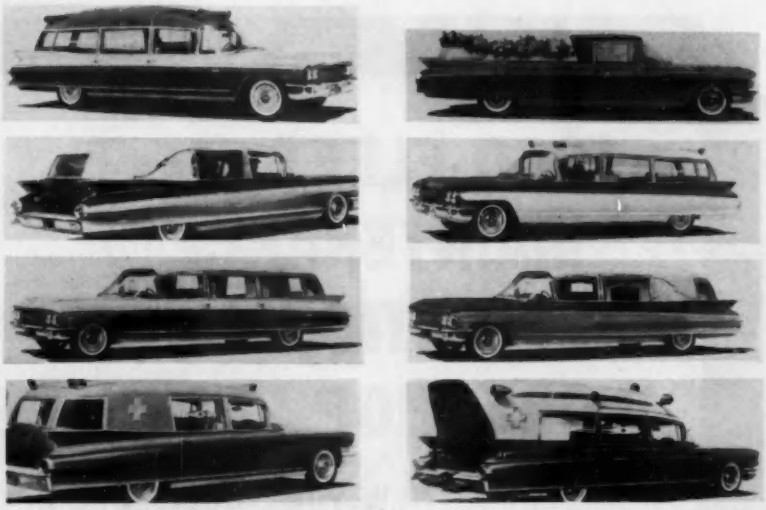
WHAT'S NEW in trucks and tractors

It's easy to get more details about the items described. Just fold out and use free reply cards inside back cover

Ambulances and funeral coaches from the Miller-Meteor Div. of Divco-Wayne Corp. are offered in eight new models for '61. All are built on Cadillac commercial chassis. Hydramatic drive, power steering and brakes and other power assists are standard equipment. Ambulances can carry up to five stretcher patients and a full first aid squad, have ample storage areas for wheel chairs, oxygen and medical supplies. Limousine coaches come in several versions including models with "crinkle-finish" roofs. Funeral coaches and flower cars are offered in a variety of models with special equipment for handling caskets.

More details? Circle 444 on reply card



Diamond T's 931 diesel series is the company's newest and largest line. It's offered in both four and six-wheel versions with GVW ratings to 60,000 lb and GCWs to 78,000 lb. Sizewise, the 931 is big—measuring 6 ft 8 in. from ground to radiator top. Six Cummins diesels are offered ranging from the NH-220 (220 hp) to the NRTO-6 (335 hp).

More details? Circle 443 on reply card inside back cover

Reo tractor with 90 in. BBC and V-8 gasoline power is the latest addition to the Reo line. It's offered in a D-600 and D-700 series of six models. GVWs are 42,000 to 52,000 lb in tandem models. GCWs are from 65,000 to 78,000 lb in single and tandem axle tractors. Standard engine is Reo's 207 hp V-8 with a 235 hp V-8 as an option.

More details? Circle 442 on reply card inside back cover

Ford includes diesel series for '61

HEADLINING Ford's 1961 line of regular trucks is the new H Series of diesel- or gasoline-powered COE tilt-cab tractors. Also new is a 262-cu in., OHV, 6-cyl engine to be offered after the first of the year in C-550, B, C and F-600 models. (Ford's compact Econoline and Falcon truck for '61 were described in last month's issue, page 107.)

Diesel engines offered are five Cummins NH and NHE (for economy) models with 180 to 220 hp. V8 gasoline engines available in the new H Series range from 206 to 266 hp. Complete engine details are shown in the chart on the next page.

GCW's in the new line range from 55,000 to 76,800 lb, and both single and tandem rear axle models are included. Bumper-to-back-of-cab dimension (BBC) is 82 in.—and only 83 in. with optional sleeper cab.

H models can pull 4-ft, square nose trailers in 50-ft states, have a 28-in. front axle position suitable for use in the 36 bridge formula states.

Single rear axle models include H and HD950 and 1000. They are offered in wheelbases from 126 to 176-in., with single or double-reduction or 2-

For complete details from Ford just circle 441 on the reply card

speed rear axles rated from 21,000 to 23,000 lb.

Tandem axle models include HT and HDT850 and 950. On these wheelbases range from 138 to 246 in. Both Eaton and Timken tandems are offered in a wide range of ratios with capacities ranging from 23,000 to 38,000 lb. Page and Page suspensions are available if specified.

Aluminum and fiber glass-reinforced plastic components are used throughout to cut weight. Cab is a "high tilt" type. A somewhat unusual feature is the use of a ladder instead of steps for reaching the cab.

Main and auxiliary transmissions offered include Spicer and Fuller units with 5, 8, 10 or 12 speeds and Spicer auxiliaries in 3 and 4-speed versions.

Other features of the H series include automatic radiator shutters, 13 and 14-in. 2-plate clutches, Gemmer conventional or power steering, parallel-sweeping windshield wipers, printed electrical circuits and a new heater-defroster unit.

In announcing its new diesel line, Ford says it has been tested in fleet service since the early summer of 1959 with P. I. E., Spector-Midstates, Great Southern (now Ryder), and Middle Atlantic Freight Lines.

The 262-cu in., OHV 6-cyl engine is new to the Ford line, will be available after the first of the year in F-600, C-550, C-600 and B-600 models. Bore and stroke are 3.719 x 4.03 in. respectively, and compression ratio is 8 to 1. Engine is rated 152 hp @ 4000 rpm with torque of 238 lb ft @ 1400-1800 rpm.

The engine has stress-relieved head and block, copper-lead main and rod bearings, forged crankshaft, cast aluminum pistons with floating pins and three chrome-plated rings, hard-faced valves and exhaust valve seats, and carburetor pre-heating.

Other engines (as listed in the chart) range from the 144-cu in. 6-cyl Falcon engine in Econoline models to the 534-in. V8 in the extra-heavy models. Several V8 models are offered with either 2 or 4-barrel carburetors.

Engine changes for '61 include oil bath air cleaners as standard equipment, improved crankcase ventilation, and quieter fans with less horsepower drag. A positive crankcase ventilating system is standard on all "Super Duty" V8's, the new 262-cu in. 6 and the Econoline and parcel delivery engines. It's optional on all others.

New cabs

Cabs are all new in the F and T series conventional and tandem model. Light, medium and some heavy models are two inches wider, four inches lower overall and have lower step-in heights with no sacrifice in ground clearance.

A new triangular three-point cab mount system is used on all conventional heavy and extra-heavy models to cut twisting and strain. Four-point mounts are used on light and medium models.

Ford continues to offer I-beam solid front axle and leaf spring front suspension on all models. On F-100 and

All models in the H series are high tilt cabs, have a ladder for access to cab. BBC is 83 in. with sleeper.

Heavy-duty models have new cabs, frames to reduce BBC dimension to 102 in.

Ford Truck Powerplants for 1961

Cubic Inch Displacement	Carburetor Venturi	Bore (inches)	Stroke (inches)	Compression Ratio (to 1)	Gross Horsepower @ RPM	Gross Torque (lb-ft) @ RPM
6-cyl Gasoline						
144	1V	3.50	2.50	8.7	85 @ 4200	134 @ 2000
*170	1V	3.50	2.94	8.7	101 @ 4400	156 @ 2400
223	1V	3.62	3.60	8.4	135 @ 4000	200 @ 18-2400
*262	1V	3.72	4.03	8.0	152 @ 4000	238 @ 14-1800
V8 Gasoline						
292	2V	3.75	3.30	8.0	160 @ 4000	270 @ 18-2000
292	4V	3.75	3.30	8.0	173 @ 4000	274 @ 20-2800
302	4V	3.62	3.66	7.5	187 @ 3800	280 @ 26-2800
332	4V	3.80	3.66	7.5	200 @ 3800	307 @ 26-2800
401	2V	4.12	3.75	7.5	206 @ 3600	341 @ 16-1800
401	4V	4.12	3.75	7.5	226 @ 3600	343 @ 20-2600
477	2V	4.50	3.75	7.5	231 @ 3400	412 @ 14-1800
477	4V	4.50	3.75	7.5	253 @ 3400	415 @ 20-2600
534	4V	4.50	4.20	7.5	266 @ 3200	481 @ 16-1800
6-cyl Cummins Diesel						
*672 (NH-180)		4.87	6.0	15.5	180 @ 2100	504 @ 1500
*672 (NH-195)		4.87	6.0	15.5	195 @ 2100	535 @ 1500
*743 (NHE-180)		5.12	6.0	15.5	180 @ 1950	534 @ 1300
*743 (NHE-195)		5.12	6.0	15.5	195 @ 1950	580 @ 1300
*743 (NH-220)		5.12	6.0	15.5	220 @ 2100	608 @ 1600

* New for 1961.

Ford offers diesel series for '61

Continued

F-250 models, shock absorbers have been relocated to give better ride.

On heavier models, the front axle is mounted ahead of spring centers. Ford's big jobs—F-750 through F-1100—use longer and wider radius leaf-type rear springs to give better axle alignment and a smoother ride.

All light and medium models in the F series have new frames. Featured are new cross members and a frame drop in the cab area to cut height. Tensile strength in frame steel has been boosted for all models with 80,000 psi high tensile steel used in heavy-duty truck and tractor models. Double channel frames are used on some of these big jobs.

Wheelbases on the F-100 and F-250 are increased to 114 and 122 in. respectively—a boost of 4 in. It's been lengthened 2 in. in the F-350 to 132 in. and to 120 in. in the 4-wheel drive F-100 and F-250. Engines available in these light duty models are the 223 cu in. six and the 292 cu in. V-8.

The two Styleside pickups have a new integral cab and body with the separation between the cab and box eliminated.

The F-500 and F-600 models have longer wheelbases and new cabs. The 262-cu in. 6 will be standard in the tilt cab C-550 and C-600, optional in the F and B-600 models. A 5000-lb capacity front axle is standard on these last two models.

C series tilt cabs offer printed electrical circuits, parallel action wipers and, in some models, sleeper cabs. Design remains the same except for single headlights.

GVW Ratings on F and B-500 and 600, and C-550 and C-600 models range form 11,000 to 21,000 lb with GCWs to 32,000 lb. Front axle capacities are offered from 4000 to 7000 lb.

Rear axles include Eaton and Timken single or 2-speed models from 11,000 to 16,000-lb capacity. Both 4 and 5-speed Warner and Clark transmissions are offered.

Wheelbases in the F-500 are 132 and 156 in. F-600 has five options from 132 in. to 194 in. C-550 and C-600 have four from 99 to 153 in. Engine options other than the new 262-cu in. 6, include the 223 and two versions of the 292-cu in. V8.

Heavies and extra-heavies

New cabs and frames in the F-750-and-up models reduce their BBC dimension to 102 in. Models in the F and T series have separately mounted front-end sheet metal and fenders, cab and radiator.

The 102-in. BBC has been reached by flattening the front end removing excess grille work and tucking in the bumpers. All heavy models have set-forward front axles with a bumper-to-axle-centerline measurement of 33½ in. on the F-700 and 28 in. on all others.

In the heavy and extra-heavy models, the 302-cu in. HD V8 replaces the 292-cu in. HD V8 as the option in F, C and B700 models. It's also now the standard engine in the T-700 series. The 332-cu in. V8 is now standard in F, C and B750 models, and the 477-cu in. "Super Duty" V8 becomes a new option in F and C 850 models.

Wider tread front axles are used in F-750 and up models for greater stability. Standard front axle on the F-800 is rated 6000 lb, with 7000, 9000 and 11,000-lb axles optional.

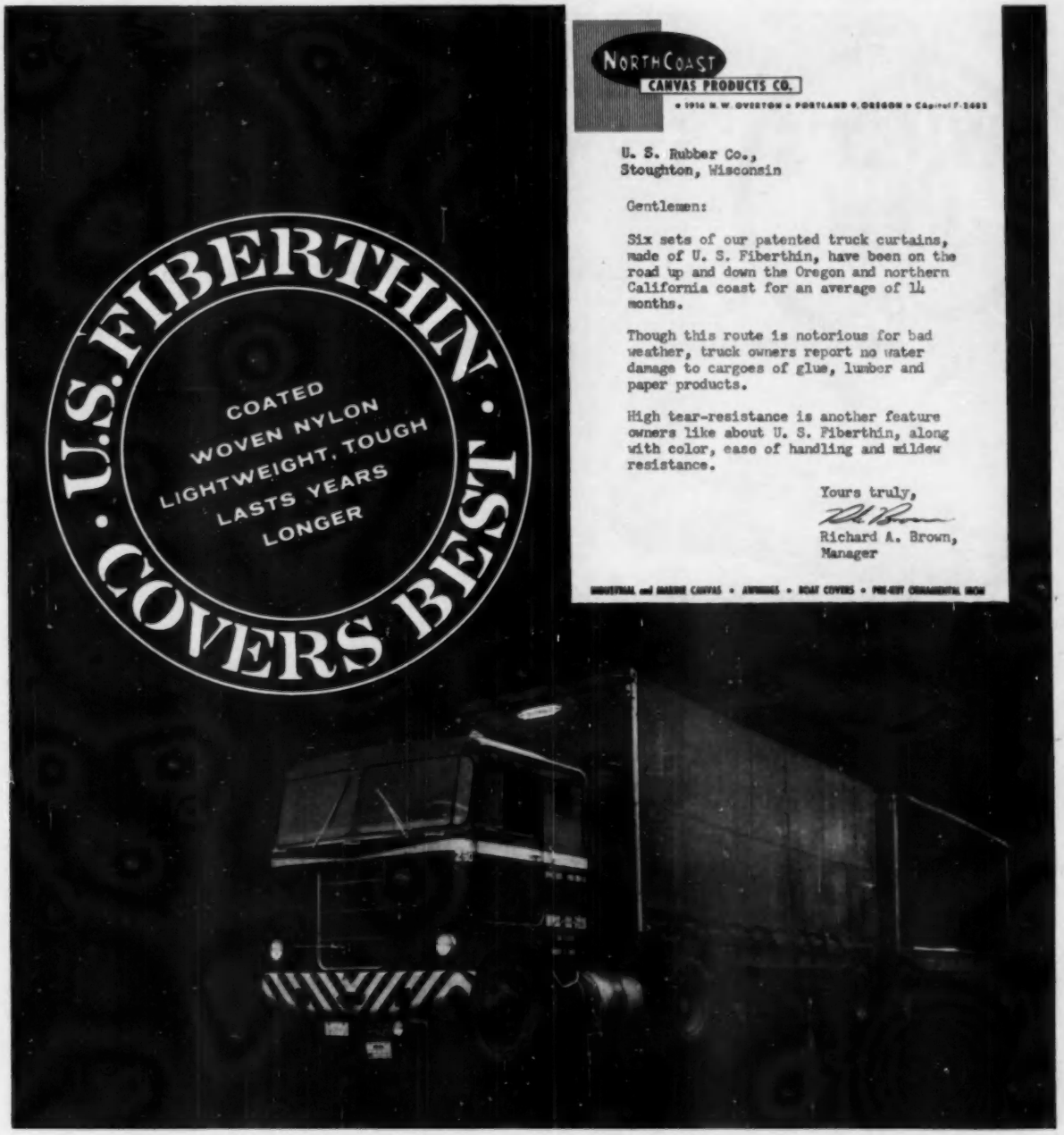
Transmission options include the Clark 262IV 5-speed for F and C-750 and 800 B-750, a Spicer 635B for use with Timken 2-speed axles, Spicer auxiliaries for the F-950 through 1100 series. New single and 2-speed Eaton and Timken rear axles are also offered.

A new maximum wheelbase of 212 in. is now offered in some heavy and extra heavy models. Also, automatic radiator shutters are standard with all "Super Duty" V8's in the extra-heavy lines. In addition to separate mounting, radiators have thicker metal for tanks and header and use the new "lock-seam" construction.

An 11½-in. heavy-duty clutch is optional with the 292-cu in. engines while 13-in. 2-plate clutches remain standard with extra-heavy models.

GVWs in the F and T series go to 51,000 lb and up to 75,000-lb GCW.

More Details? Circle 441 on reply card



BETTER PROTECTION, BIGGER PAYLOADS WITH TRANSPORTATION-GRADE U. S. FIBERTHIN®

Plenty of smart truck operators are now protecting cargoes better than ever before—with tarps of tough U. S. Fiberthin, specially developed for the transportation industry. Because transportation-grade U. S. Fiberthin is so light and will not absorb water, they're reducing truck weights, increasing payloads. And U. S. Fiberthin is so easy to handle, they're saving on loading-and-unloading time, labor, expense.

Made of ribbonlike threads of nylon, coated with special rugged neoprene compounds, transportation-grade U. S. Fiberthin lasts a great deal longer than ordinary covering materials. Won't absorb water. Won't mildew even when stored wet. Resists flames, oils, acids, alkalies. See your local fabricator for the best in tarps, curtains and loading-dock canopies made of transportation-grade U. S. Fiberthin.

United States Rubber

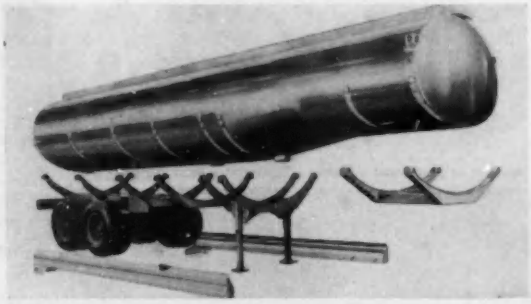
STOUGHTON, WISCONSIN

● More details? Circle 256 on reply card inside back cover

WHAT'S NEW in trailers

It's easy to get more details about the items described.

Just fold out and use free reply cards inside back cover



Aluminum transport tank with 32 per cent less-than-usual welding is the new "Modular" tank made by The Heil Co., Milwakee, Wis. A new construction process locks tank components to the shell, including bolsters, running gear, fifth wheel and landing gear. There are no welds at all along the tank bottom. Maker says that fewer welds mean greater strength with less chance for leakage. Tank capacities range from 5500 to 9500 gal.

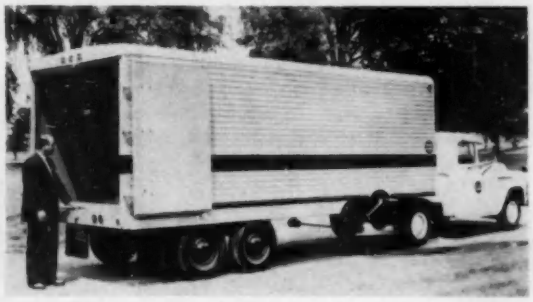
More details? Circle 445 on reply card inside back cover

Lightweight level-deck trailer hauls 35 tons—weighs only 10,050 lb. Talbert Trailers, Inc., Lyons, Ill., says its new model (No. T3L-35-FG-1-T-1) weighs less without loss of hauling strength through use of high-strength structural alloy steel. The unit is equipped with rubber-mounted, 3-axle, spring suspension, air brakes, ICC lighting, lash rings, pipe pockets and oak and fir flooring. It has an 8 x 27-ft deck area.

More details? Circle 446 on reply card inside back cover

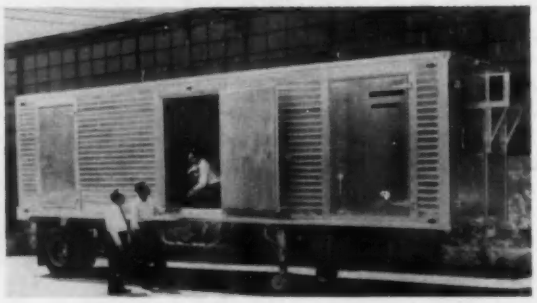
Compact fifth wheel semi-trailer for short hauls or city pickup and delivery has just been introduced by Wells Cargo, Inc., Elkhart, Ind. For use with a standard ¾-ton pickup, it comes in 20 to 30-ft lengths, has 4-ton capacity. Called the "Compact-Cargo" unit, the new semi is most practical for hauling bulky freight. Equipment includes standard semi kingpin and landing gear, tandem axles, 4-wheel electric brakes and ICC lighting.

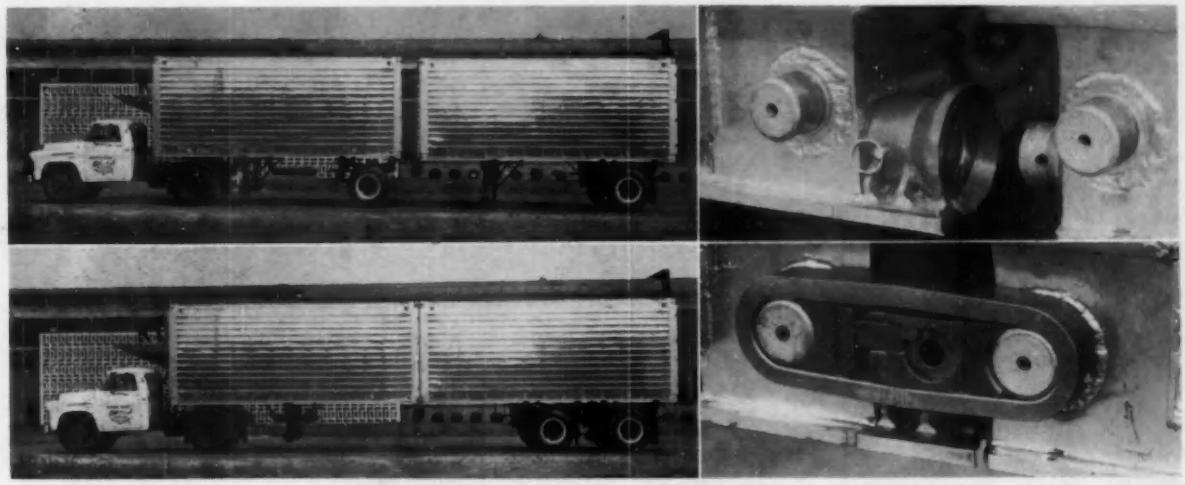
More details? Circle 447 on reply card inside back cover



Sets of trailers serve as mobile office suites for Strategic Air Command squadrons of the U. S. Air Force. Designed by Alf-Herman Corp., St. Louis, Mo., the 30-ft-long aluminum and steel units have escalator-type wheels to facilitate loading aboard military cargo transport planes. Air-conditioned interiors are equipped with work benches, cabinets and record-storage bins. Six trailers are used to make up each set of mobile offices.

More details? Circle 448 on reply card inside back cover





New "Twin 20's" containers shown above (left) are one of the newest concepts in trailer transport now available from Fruehauf Trailer Co., Detroit. The 40-ft tandem axle trailer-container splits into two 20-ft units which can be freely interchanged between road, rail and steamship operations.

The Twin 20's are coupled at center by four locking devices (shown at right) at top and bottom corners, curb and roadside. Units lock together horizontally, vertically or side by side. Flush lower rail permits movement on roller conveyors as well as compact stacking of containers.

Over the road, the rig is used as a tandem axle trailer or with a dolly in single train operation. For city delivery and pickup, it breaks up into two 20-ft units. Breaking and joining is said to be handled easily due to adjustable and removable underconstructions and 2-speed square leg supports.

In piggyback operation, units are loaded on any flat car or container car by roll-on-roll-off, overhead crane or fork-lift truck.

For fishyback transport, boxes are lifted by crane to decks or holds of cargo ships.

Usable with either exposed-post or smooth-skin exterior, the trailers are for dry freight or can be equipped as reefers.

More details? Circle 386 on reply card

Fruehauf offers three new specialized units

Telescoping platform trailer from Fruehauf provides double-duty use for fleets hauling both general-purpose and extra-long materials. It's said to adjust easily in increments from 35-ft closed to 55-ft fully extended position. The platform has a rated capacity of 50,000 lb for concentrated loads. This weight factor, the company explains, will vary in accordance with extended length of the platform, the wheelbase and type of load.

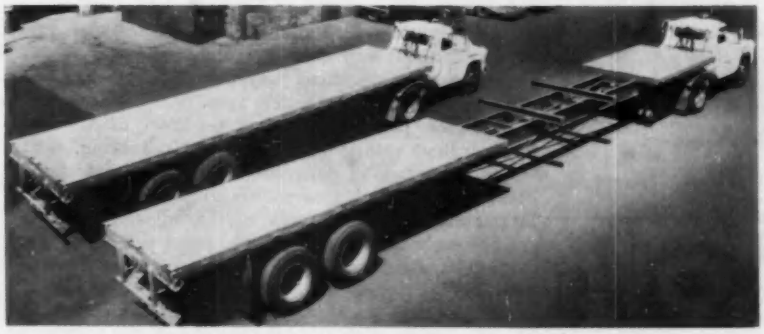
The new dual-purpose trailer is said to incorporate all the advantages of the company's "Workhorse" platform models. These include:

- Front and rear corner castings.
- Extra-strong framing.
- I-beam steel crossmembers.
- Two-speed square leg supports.

More details? Circle 387 on reply card

Multi-purpose unit just introduced by Fruehauf is the new Electronics Van. Available in 35 to 40-ft lengths, the largest has 2773 cu ft of cargo space. It's said to provide positive load control for hauling specialized electronic equipment as well as other fragile materials. The van offers various tiedown arrangements for maximum cargo security.

More details? Circle 388 on reply card



WHAT'S NEW in engines

White's new PDQ engine is called the "Silver Saver 6." Maker, White Motor Co., Cleveland, Ohio, says it's specifically engineered for multi-stop delivery service. The new OHV-6 is now available on all White PDQ's—including the 1961 M series (Oct., pages 103 and 163). With 226-cu in. displacement, it develops 110 hp at 3200 rpm and 192 lb ft torque at 1800 rpm.

An unusual feature is the separation of intake and exhaust valves—they're on opposite sides of the engine. This permits larger ports for greater air intake and eliminates radiation of heat from exhaust to intake manifolds—thus is said to increase engine power. Also, there's no delay for engine cooling for sparkplug change or other work.

Other new design characteristics of the Silver Saver 6 are said to give longer engine life, more efficient operation. Aluminum-alloy, five-ring pistons have full floating pins and chrome top rings. Heavy bearings, crankshaft and valve train are used. There are positive rotators on the exhaust valves and valve seats are stellite-faced. Other features include a down-draft carburetor, positive crankcase ventilation system, governor velocity-type combination and positive action starter.

More details? Circle 449 on reply card inside back cover

WHAT'S NEW in buses

Diesel-powered intercity coach just developed by GMC Truck & Coach Division, Pontiac, Mich., is the Model No. PD-4106. The 41-passenger bus has a new V-8 diesel engine that is said to give maximum operating economy, service and durability. Since it can deliver 770 lb ft torque at 1200 rpm, it permits use of an "overdrive" angle ratio. This gives top speed at low engine rpm.

Improved passenger-comfort features of the new coach include enlarged windows, better lighting, newly styled foam cushion seats, air conditioning system with higher output and modern air suspension ride. Enlarged baggage space adds to convenience.

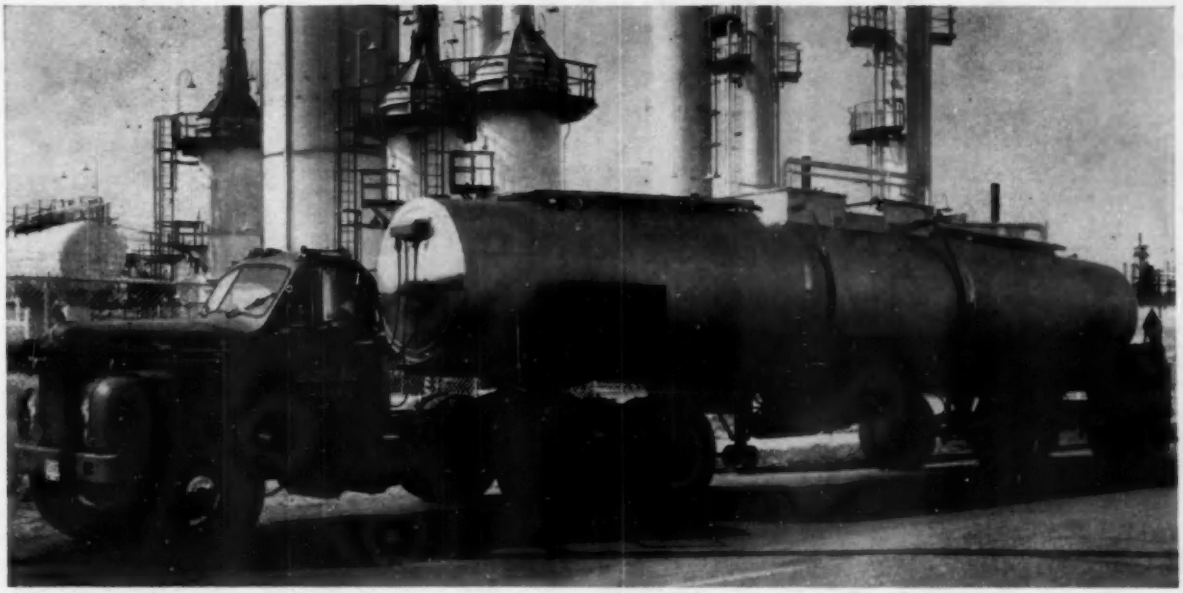
GMC says the PD-4106 is scheduled to go into production in January. Initial orders are expected to be delivered in the Spring of 1961.

More details? Circle 450 on reply card inside back cover

New steels are born at Armco

Go Stainless/for a Versatile Fleet

Refiners Transport Specified Stainless Steel **for maximum versatility**



Stainless steel tankers permit Refiners Transport & Terminal Corporation to haul vodka, formaldehyde, ammonia, phthalic anhydride and paints in same units.

Here is another example of the profit-making versatility of stainless steel tank trucks. With only a quick and easy clean-up, any of Refiners Transport stainless fleet can be switched to any of the products listed, plus many more.

According to C. C. Bingaman, operations manager for Refiners Transport, stainless steel is specified because of its great versatility. Tanks and outer jackets as well as dome covers, external lines and valves are all stainless. Tankers not only resist attack by corrosive chemicals but the smooth, hard surface of stainless steel simplifies and cuts costs of the contaminant-free cleaning necessary in hauling such a wide range of products.

More Profit with Stainless

Tank trucks made of Armco Stainless Steel can help your fleet earn extra profit because you can safely haul a much greater variety of loads, get more return hauls, and cut costly off-the-road time as well as maintenance and cleaning costs.

For more information on Armco Stainless Steel and its advantages for tank truck fleets, write Armco Steel Corporation, 2480 Curtis Street, Middletown, Ohio.

ARMCO STEEL

Armco Division • Sheffield Division • The National Supply Company • Armco Drainage & Metal Products, Inc. • The Armco International Corporation • Union Wire Rope Corporation

● More details? Circle 257 on reply card inside back cover

WHAT'S NEW

in truck bodies

It's easy to get more details about the items described.

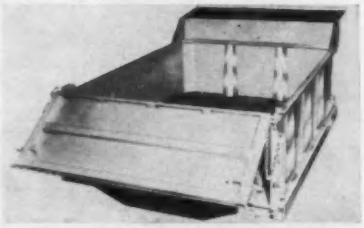
Just fold out and use free reply cards inside back cover

Compact delivery body from Boyertown Auto Body Works, Boyertown, Pa., is the brand new 1961 Model No. M-6 "Minivan". It's now available on the Ford Model No. P-100, W/B chassis (Aug., page 176). Loadspace is 78 in. long, 62 in. wide, 62 in. high with 184-cu ft capacity. Body is built of high strength alloy steel, zinc-chromate coated to resist corrosion.

More details? Circle 380 on reply card

Oversize delivery body is the new "Kurb Side" unit from J. B. E. Olson Corp., New York City. Inside it measures 14 ft long, 86 in. wide and 77 in. high, yet it's said to weigh less than standard 8-ft-long steel bodies. Weight saving is due to aerotype aluminum-alloy construction, thus permitting bigger payload. The new body is available on either one or 1½-ton chassis.

More details? Circle 381 on reply card

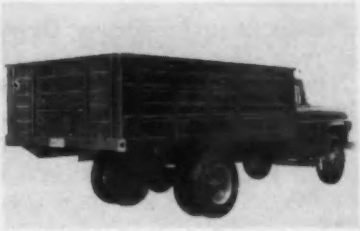


Truck dump body features extra strength at less weight, according to the maker, Pamco, Inc., Oskaloosa, Iowa. Features include rugged understructure, steel tapered side braces welded to a welded one-unit flood and tail gate control above the catwalk. Front and rear body stringers and horizontal tailgate bar add reinforcement. Various body sizes are available.

More details? Circle 382 on reply card

Four-ton wrecker body made by Weld-Built Body Co., Brooklyn, N. Y., is designated the Model No. 5A-S. Recommended for local towing, it features a manual worm winch with fingertip control and full-swivel-type boom head. The 4-ton-capacity winch is bolted to the chassis frame, has 150 ft of 7/16-in. cable with free wheeling device for fast unwinding and drag brake.

More details? Circle 383 on reply card



Farm truck body with 40-in., one-piece steel grain sides has just been introduced by Knapheide Mfg. Co., Quincy, Ill. Sides are corrugated, have wide top flange and rounded corners for durability and to protect tarpaulins from ripping. The body has a heavy-duty platform with all steel understructure, either wood or steel floor and new type fold-down rack.

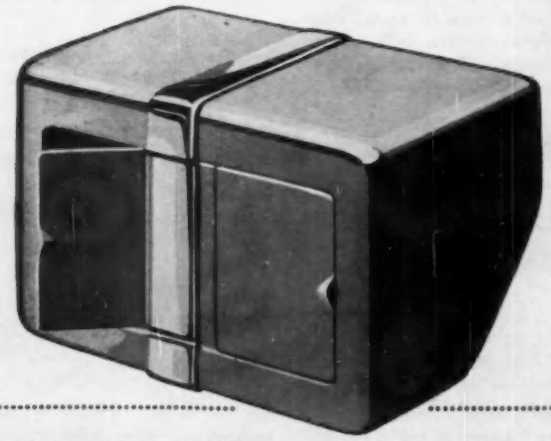
More details? Circle 384 on reply card

Aluminum beverage body is made by Lyncoach & Truck Co., Oneonta, N. Y. Said to be low in cost, the 8-pallet unit comes in standard LYN body kit form. The body is 17 ft long, 94 in. high and 96 in. wide and provides for eight 4 x 7-ft inside compartments. Kit includes a one-piece, lapped-to-rear, leak-proof aluminum roof; uprights; corner posts and corner fittings.

More details? Circle 385 on reply card

EVANS HEATERS ARE RIGHT FOR TRUCKS BECAUSE

THEY'RE BUILT FOR TRUCKS!



Write: *EVANS PRODUCTS COMPANY*
Dept. Q-11, Plymouth, Michigan

REGIONAL REPRESENTATIVES: Chicago, R. A. Lennox
Detroit, Chas. F. Murray Sales Co. • Allentown, Pa., P. R. Weidner

EVANS PRODUCTS COMPANY • PLYMOUTH, MICHIGAN

● More details? Circle 258 on reply card inside back cover

WHAT'S NEW in vehicle accessories and supplies

It's easy to get more details about the items described. Just fold out and use free reply cards inside back cover

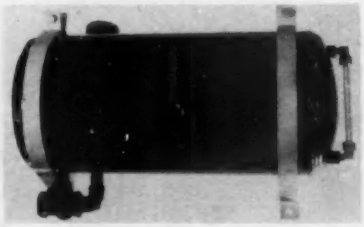
Engine heaters from the Five Star Mfg. Co., Clarksdale, Miss., come in five models from 750 to 2500 watts. They preheat block coolant to give easier cold weather

starting. Heaters are externally-mounted, come complete with hoses, fittings and electric plug-in cord. Each Kat heater has a built-in thermostat to control water temperature.
More details? Circle 402 on reply card

Reefer electrical standby cord retracts to store compactly out of the way when not in use. Autac, Inc., New Haven, Conn., guarantees retractability of its

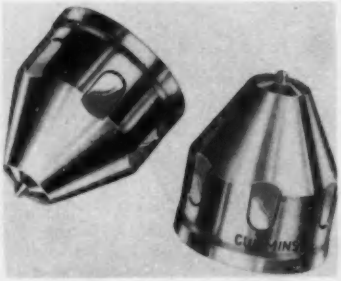
"Reefer" Koiled Kords for four years. The 4-ft heavy-duty cords extend over 25 ft from standby power source to reefer unit. They're available in 3 and 4-conductor types, from 12 to 16 gage.
More details? Circle 403 on reply card

Motor-oil metering tanks with 12 or 20-qt capacities are for use on trucks, tractors, roadbuilding and other rolling equipment. Tanks are mounted under the hood



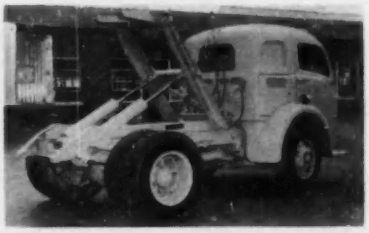
or on the chassis directly in back of cab. Oil is metered to the crankcase automatically, one quart at a time.
More details? Circle 404 on reply card

Injector cups now being used by Cummins Engine Co., Columbus, Ind., on its diesels give greater resistance to metal erosion in the tip area. The new accroloy injector cups are made of high strength stainless steel alloy which is



said to resist erosion caused by the high velocity of gases in the combustion chamber passing across the tip of the injector cup. The accroloy injector cup is also interchangeable with present ones.
More details? Circle 405 on reply card

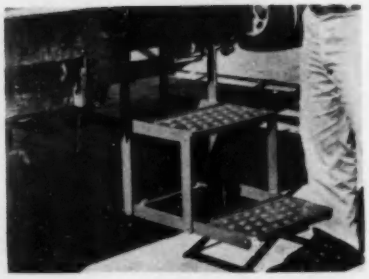
High lift fifth wheel from Bartlett Trailer Corp., Chicago, can lift up to 48 in. It's hydraulically operated, has two 7-in. cylinders with 24-in. stroke, can lift



any trailer payload which is legal for highway use. It can be used for dumping grain, building materials etc. where a high dumping body isn't required. Driver-controlled, it's PTO-operated, fits any 34-in. truck frame with 66-in. or more CA dimension.
More details? Circle 406 on reply card

TURN PAGE: THERE'S MORE

Folding truck steps which can be mounted on sides or rear of most truck bodies save drivers time and effort in loading or unloading. Truk-Step Co., Inc., Los Angeles, Cal., says the steps take only 7 in. of space under the body when folded, extend out when unfolded to give non-skid lightweight steps.
More details? Circle 407 on reply card



Firestone's new "no-wobble" rim . . .

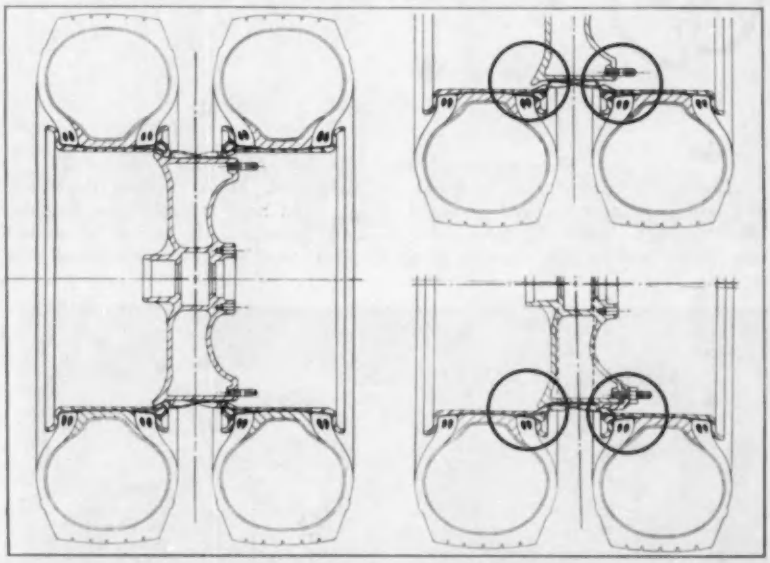
EARLY LAST MONTH Firestone Steel Products Company announced its Accuride demountable tube-type rim. Its main claim to fame: Virtual elimination of lateral runout (wheel wobble).

Until recently, one of the major problems in manufacturing demountable rims has been the tolerance on the inside diameter of the rim. Invariably, a gap resulted between the underside of the rim gutter and the mounting surface of the spoke wheel (as shown in the upper right illustration). Because of this gap, the mounting bevels of the rim and spoke wheel are forced together pivoting the rim out of alignment when the clamps are tightened, particularly on dual wheels (see lower right illustration). This results in excessive wheel wobble—becomes a real problem during high-speed operation. Proper sequence and torque in tightening lugs has been the key to a true final alignment.

Firestone says present spoke wheel and rim runout can be up to 0.250 in. If lug nuts are taken up incorrectly, it places all the gap on one side of the wheel. On a 20-in. wheel, this amounts to almost two inches of wobble at the circumference of the tire.

Firestone's answer to this gap problem is through a new manufacturing process. It gives a much closer tolerance on the underside of the gutter of the rim base than has been possible before. As a result, the gap between the spoke wheel and the rim is virtually eliminated (as shown in the left illustration).

The new tube-type rim is self-aligning—the sequence and amount of torque applied to the lugs no longer being such a crucial factor in preventing wheel wobble.



On standard demountable rims, a gap results between rim and wheel due to an accumulation of manufacturing tolerances (upper right). Note how rim misaligns on wheel after clamping (lower right). This cocks the rim and causes wheel wobble. Firestone's new Accuride demountable rim (left) precision-fits the wheel. There's no gap to cause distortion and wheel wobble

M. A. DiFederico, president of Firestone Steel Products, told COMMERCIAL CAR JOURNAL that the new manufacturing technique permits his company to hold lateral runout of the assembled rim to within 60 thousandths (0.060 in.). This is about a 75 per cent improvement over the runout figure for standard tube-type demountable rims.

Costwise, the new rim carries approximately a 10 per cent premium price. But due to its no-wobble characteristics, fleet operators can expect it to pay for itself quickly through longer tire life and less wear and tear — particularly on front suspensions. In addition, the tire man in your maintenance department should have less trouble and take less time making tire changes.

Firestone is quick to point out that even with the premium priced Accuride demountable tube-type rim, a spoke wheel set-up still costs less than a disc wheel dual assembly of the same size.

More details? Circle 389 on reply card

. . . and "never-paint" disc wheel

AT THE same time, Firestone Steel Products Co. also announced a corrosion-resistant plating process for its disc wheels. The new electroplated finish will outlast present wheel paints four to five times. Firestone engineers report that since the finish is a plating and not a coating, it can't chip or rust.

The complete wheel is plated as the final step in production. It gives it a shiny metallic color, requires no painting. Although the initial cost is higher, Firestone says it will save fleet operators at least 50 per cent over the life of the wheel. The "paint for appearance" maintenance, a particular problem among bus operators, is eliminated. Should it be necessary after several years, Firestone can replate the wheel.

Firestone still considers the new plating process experimental . . . even after hundreds of hours of salt bath tests. To date, test results indicate that the treatment makes a wheel and rim practically impervious to corrosion from road salt and other acids.

Firestone disc wheels will soon be available in many types and sizes with the new finish.

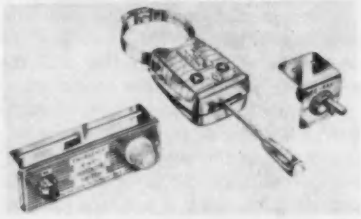
More details? Circle 390 on reply card

WHAT'S NEW in vehicle accessories

Heat-riser-valve lubricant cuts through rust, lead, carbon and gum deposits and leaves a heat-resistant, anti-rust lubricating film that's said to last the life of a lube job. American Grease Stick Co., Muskegon, Mich., makes Part-Ease manifold heat control valve loosener and lubricant. It comes in aerosol spray cans or "drop or stream" dispensers. Maker says the new product assures free and easy operation of heat-riser and carburetor air-duct valves.

More details? Circle 408 on reply card

Turn-signal switch called "Flash-All" has one lever to control all turn signals. The new traffic-hazard switch is made by Do-Ray Lamp Co., Inc., Chicago. Lever



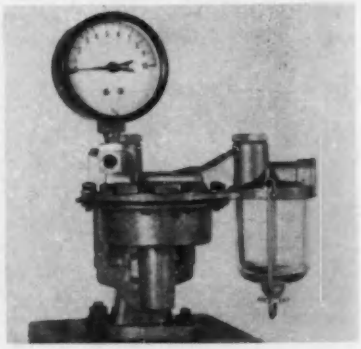
is pushed to right or left to operate signals on either side, is pulled out to flash all signals simultaneously.

More details? Circle 409 on reply card

Heavy-duty tire for logging, mining and similar operations is available from United States Rubber Co., New York City. Feature is a heavy tread reinforced with short lengths of brass-coated, hardened-steel filaments.

More details? Circle 410 on reply card

Fuel pump made by Everlast Fuel Pump Corp., Corona, N. Y., is called the Adjust-O-Everlast fuel pump. Equipped with a visual gage, the new pump is said to be available in models for most cars and trucks with one, two or



four-barrel carburetors or two four-barrel carburetors. It features an adjustment which permits coordination with the vehicle carburetor to prevent stalling, flooding and vapor lock. It's also said to assure quick starting.

More details? Circle 411 on reply card

Faster - Easier Service . . .

EASY TO POSITION

QUICK TO RAISE

Branick TRUCK JACK
AIR OPERATED

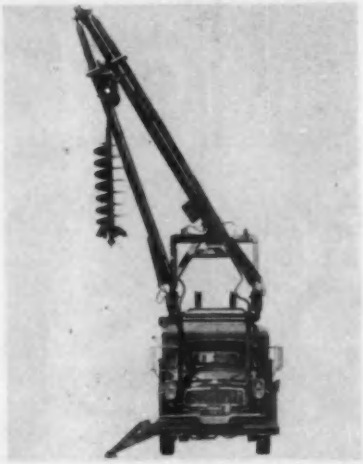
LIFTS 9 TONS ON 160 LBS AIR PRESSURE
EACH ADDITIONAL 20 LBS OF AIR LIFTS ONE TON

Speeds up lifting for tire and brake service, mechanic work. Lifts truck axles in 15 seconds. Long handle eliminates crawling under truck body. Built for years of trouble free service. Write today for complete details and prices.

BRANICK PRODUCTS CO.
FARGO, N. DAKOTA

● More details? Circle 259 on reply card inside back cover

Hydraulic derrick built by Utility Body Co., Oakland, Cal., can be front or rear-mounted. The Model DHDS Swivel Tail hydraulic derrick moves side to side, back and forth, or up and down to reach a radius of nine ft from center line of truck chassis. It applies



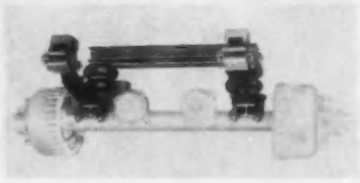
3000 to 4500-lb pressure on derrick-supported digger. Lifting capacity is 2500 lb with sheave at ground level to 12,500 lb at maximum elevation. Each side-leg cylinder is operated by a separate valve for easy adjustment.

More details? Circle 412 on reply card

Point conversion kit from Mallory Electric Corp., Detroit, is said to replace standard vacuum assembly and assure instant advance of timing when necessary. The Micro-electric Dual Point Conversion Kit is available for 1956-1960 Chrysler V-8's and 1957-1960 Ford V-8's. Kit also includes two stabilized breakers, heavy-duty condenser and stationary mounting plate.

More details? Circle 413 on reply card

Suspension for semi's and trailers is said to compensate for difference between empty and loaded trailer weight and smooth



the ride under all operating conditions. Air in the air cushions can be preset to carry empty trailer weight. Leaf springs and air cushions together carry the combined weight of trailer and payload. The Model No. SA-107 "Equal Ride" suspension is from Western Unit Corp., City of Industry, Cal.

More details? Circle 414 on reply card

Accessory plug replaces broken plugs or plugs that do not fit late-model vehicles due to changes in cigarette-lighter sockets. A. G. Busch & Co., Chicago, says the Safco automobile accessory plug is a universal model that fits all standard lighter sockets on 6- or 12-volt systems. It can be used for trouble lights, battery chargers, tape recorders and other items that use the lighter socket as a source of electricity.

More details? Circle 415 on reply card

Power drive flexible shaft has new built-in "quick disconnect" coupling. The HD Quick Disconnect

PAYLOAD POWER

with Rockford Spring-Loaded Clutches

ROCKFORD SPRING-LOADED CLUTCH

Positive, full-motion driving power with cushioned starts and controllability . . . this is how Rockford Clutches deliver today's payloads. More and more fleetmen are now specifying Rockford Clutches for their new trucks and for replacement on their present equipment. These men know that extra mileage, minimum maintenance and maximum power mean higher fleet profits. For complete details on clutches for payload power, *write today.*

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● More details? Circle 260 on reply card inside back cover

flexible shaft is said to be ideal for applications requiring a portable source of power that can be hooked-up or removed very fast, as at various test stands. Stow Mfg. Co., Binghamton, N. Y., makes the shaft in three core sizes—⅜, ½ or ⅝ in. Maximum torque capacity is 220 lb in.

More details? Circle 416 on reply card

Wheel block carrier
lets a driver carry his own safety wheel block on the truck. The Casteel wheel block carrier, just introduced by Calumet Steel Castings Corp., Hammond, Ind., mounts vertically on the side or horizontally on the underside of the truck.

More details? Circle 417 on reply card

Truck-mounted crane
handles ½-ton loads with hydraulic power. Auto Specialties Mfg. Co., St. Joseph, Mich., designed the new crane for use on service or delivery trucks. It features a 3-position, adjustable, telescopic boom which folds

down against the mast when not in use. Mounting wells for the unit may be installed on decks of trucks, on loading platforms, at machine tools or wherever heavy lifting is done in the shop.

More details? Circle 418 on reply card

NOW! FULL-POWER FIRE FIGHTING!

New Kidde dry chemical portables kill more fire—faster!

For truck, bus or shop — get the most powerful fire protection money can buy — with new top-rated Kidde dry chemical portables! The two new Kidde units illustrated pack the extra power needed to stop fire in seconds. For example, Kidde's 2½ pound dry chemical is as compact as a 1 quart carbon tet unit, yet is 8 times as powerful! Both Kidde units feature simple, two-step operation, even in gloved hands. Easy-to-read dust- and moisture-proof gauge assures you of correct pressure, handy bracket insures fast operation, prevents accidental discharge. Both Kidde units can be recharged easily either by available air pressure (150 psi) or with Kidde's low-cost recharge unit. 2½ pound model recharges for a cost of about $1.00, other models at similar low cost. Find out more about these effective, dependable Kidde units. See your supplier or write Kidde today!

Kidde

Industrial and Marine Division
Walter Kidde & Company, Inc.
1112 Main St., Belleville 9, N. J.
Walter Kidde & Company of Canada Ltd.
Montreal—Toronto—Vancouver

Roller bearing
lube for tracked-vehicles has been added to the line of Almasol lubes produced by Lubrication Engineers, Inc., Fort Worth, Texas. Paraffin-base lube has a stringy consistency pulling it as track bearing rotates.

More details? Circle 419 on reply card

Helper springs
are made to fit all late model cars with leaf-type rear springs. Hellwig Products Co., Glendale, Cal., says the

"Big 4" helper springs are designed to "beef-up" the basic springs and protect them from damage, also prevent bottoming.

More details? Circle 420 on reply card

Liquid refreshment as you drive is supplied by the new Frigie Car Fountain. Without taking his eyes off the road, a driver can draw a hot cup of coffee or a cold glass of water. The dash-mounted unit operates on odor-free vacuum

from the vehicle engine, will not work when the motor isn't running. User places a thermos or picnic jug of desired liquid on the floor in the holder provided. Cup or glass fits into a plastic holder for easy, no-spill filling. A turn of the knob on the unit fills the cup.

More details? Circle 421 on reply card

Windshield de-icing spray comes in an aerosol can. "Free O' Ice" is the name of the new product from Consolidated Research & Mfg. Corp., New Haven, Conn. It's said to remove ice from vehicle windshields without leaving any film.

More details? Circle 422 on reply card

Emergency/parking brake is called an "Aire-Spring Chamber" by the Hydro-Aire Co., Burbank, Cal. It comes in seven models for most

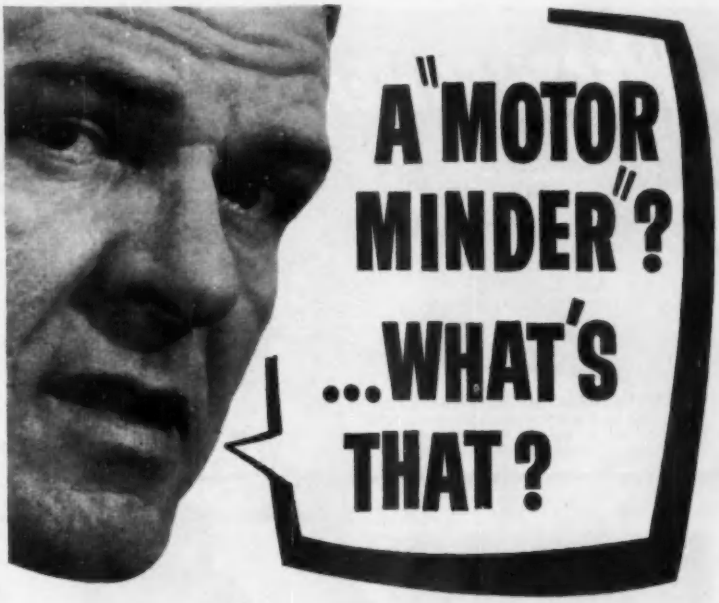
brake chambers, including heavy-duty types. For use on trucks, trailers, tractors and buses, the new device is said to prevent runaway vehicles. It also provides automatic braking for trailers in docks and yards, prevents operation of vehicles with unsafe air supply.

More details? Circle 423 on reply card

Truck-cab corners on GMC and Chevrolet 1955 to 1959 truck models can now be replaced easily when damaged. Schofield Mfg. Co., Cleveland, Ohio, makes Sco-Pan replacement lower truck cab corners in left and righthand styles to fit these models. They're die-formed to exact shape and flanged for fast installation.

More details? Circle 424 on reply card

Commercial service batteries just added to the Prest-O-Lite battery line are for heavy-duty service. Two 6- and one 12-volt models announced by The Electric Autolite Co., Toledo, Ohio, are available in either



All engines need a "Motor Minder." It's a special kind of vacuum gauge that gives the driver a constant, accurate check on engine performance. It helps save fuel by indicating the proper range for most economical engine operation. Alerts driver to the following types of engine troubles before major damage can occur: defective valves, leaking rings, faulty ignition, improper timing, and obstructed exhaust system.

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Stewart-Warner Governor

Prevents racing or overspeeding in any gear. Guards against excessive wear on tires, brakes, and transmissions. Trouble-free and easy to install. Not affected by altitude. Simple mechanical design permits normal operation of the engine below governed speed.

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● More details? Circle 264 on reply card inside back cover

wet or dry charge. All carry a 48-month warranty.

More details? Circle 425 on reply card

Rearview mirror reveals the "hidden car" in the right hand lane. The new 24-in.-long "Hi-Cabber" mirror is said to eliminate the blind spot on the right side of the truck and tractor. Velvac, Inc., Milwaukee, Wis., designed the new mirror to prevent the danger of today's small cars creeping up unseen as the truck changes lanes or makes a righthand turn.

More details? Circle 426 on reply card

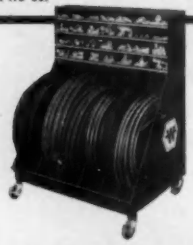
WEATHERHEADLINERS

FOR FLEET SERVICE SHOPS

Basic brass fittings stock assortment contained in metal cabinet with 64 plastic drawers, each with movable partitions. Tube size and pipe thread information on front panel edges. Ask for F-2 cabinet assortment.

Light duty hose and hose ends for repair of hydraulic, air, fuel and oil lines. Most-used assortment contained in metal cabinet HC-11.

Air brake brass fittings assortment for general repair needs, contained in metal cabinet with 20 plastic drawers. Ask for assortment AB-20.



Heavy duty hose and hose ends for repair of hydraulic air, fuel and oil lines on heavy duty equipment. Most-used assortment contained in metal cabinet HC-1.

Most complete line of automotive and truck hose assemblies and fittings, available from your Weatherhead jobber. Call him today.

Hydraulic brake lines assortments: BA-48 holds 48 steel brake lines (3/16" and 1/4") in varying lengths, with fittings, for most passenger car & light truck applications. BA-24 assortment contains 24 (5/16") steel brake lines, all same length, with fittings for heavy duty applications.

WEATHERHEAD

THE WEATHERHEAD COMPANY
Fort Wayne Division • Dept. CCJ-11
128 W. Washington Blvd. • Fort Wayne, Ind.

Oil pressure indicator flashes or sounds a warning when engine oil pressure is low. Made by the Electronics Dept., Ham-

ilton Standard, Broad Brook, Conn., it has an electronic control and a sensing element combined in one unit. It can be engine-mounted where heat and vibration prevent use of conventional indicators.

More details? Circle 427 on reply card

Wheel oil seals for oil-lubricated trailer wheel bearings come in a new change-over kit for changing from grease to oil wheel-bearing lubrication. They're

made by National Oil Seal Div. of Federal-Mogul-Bower Bearing, have several unusual features. Ceramic seal surfaces are used for long life and to keep dirt out so it can't lodge in the surface to accelerate wear. Conversion kit has four major components, requires no special tools for installation.

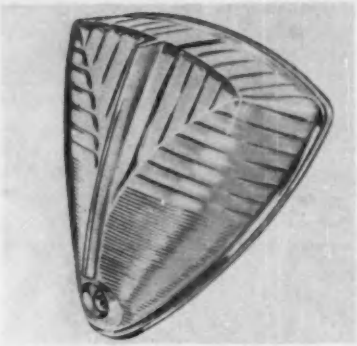
More details? Circle 428 on reply card

Fuel oil hose just developed by Swan Rubber Co., Bucyrus, Ohio, is for medium-volume service. It's said to remain flexible at low temperatures in transferring fuels or distillates from tank to storage. Maker says it's also unaffected by continuous flexing of reel service.

More details? Circle 429 on reply card

● More details? Circle 261 on reply card inside back cover

Marker light features streamlined design to permit mounting on all but extreme contours. The Cat's Eye No. 150 is made by Columbus Metal Products Co., Co-



lumbus, Ohio. It's available with red, amber or clear lens for 6-volt, 3-cp or 12-volt, 4-cp operation. Lamp is 2¾ in. wide, 1¾ in. high and 3½ in. long. It's said to give as much front and side illumination as larger lamps. Mounting is flat with two screws.

More details? Circle 430 on reply card

Emergency warning signal device is the Orly Blinker made by Orly Lite, Inc., New York City. Powered by two standard flashlight batteries, it sends a blinking,

red warning beam 500 ft in every direction. It stands 5 in. high, measures 6 in. in diameter.

More details? Circle 431 on reply card

Sliding choker hook from Crosby-Laughlin Division, Fort Wayne, Ind., is said to provide safety, long life and high strength without excess weight. Features include a wide throat to accomodate heavy thimbles and a sleeve and eye design that gives free movement and quick, smooth adjustment, regardless of load size. The sliding choker hook comes in four sizes with capacities from 2500 to 8000 lb.

More details? Circle 432 on reply card

Tank truck hose from Goodyear Tire & Rubber Co., Akron, Ohio, combines specially-placed spiral wire with textile braid to give strength and flexibility in short-run transfer of petroleum products.

More details? Circle 433 on reply card

Ratchet-type load binder said to get the last half link of chain in takeup is now offered by Crosby-Laughlin Division, Fort Wayne, Ind. The ratchet load binder is strong but light in weight, has square threads to provide easier tightening and self cleaning. Three models are available to fit chain sizes of ⅜ in., ½ in. and ⅝ in. All three have an 8-in. takeup.

More details? Circle 434 on reply card

Engine speed governor now offered by Stewart-Warner Corp., Chicago, is said to limit engine

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It's that simple . . . install and forget the Tulsa Power Take-Off, with full assurance of its complete dependability and long life. Tulsa Power Take-Offs are lighter, stronger, quieter—yet competitively priced. They're always available — for practically any application — through the sales-service facilities of our world-wide dealers and distributors. Ask for a "TULSA" Power Take-Off by name!

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● More details? Circle 282 on reply card inside back cover

Now even "out of line" doors lock easily...

New Cleveland-Hardware Product!

New Cleveland taper cam-lock closes and positively locks van and trailer doors ... even misaligned doors. 10° taper on both sides of cam and cam pocket automatically centers during closing. Sturdy, forged handle gives leverage to spare. Handle bracket locks—stays open until intentionally closed. Works with one hand, even with gloves in cold weather.

New Cleveland taper cam-locks are available in two-point models; three-point models, for extra tight seals. For complete information, write: Forge and Fittings Division, H. K. Porter Company, Inc., 3270 E. 79 Street, Cleveland, Ohio.

FORGE AND PORTER FITTINGS DIVISION

H. K. PORTER COMPANY, INC.

PORTER SERVES INDUSTRY with steel, rubber and friction products, asbestos textiles, high voltage electrical equipment, electrical wire and cable, wiring systems, motors, fans, blowers, specialty alloys, paints, refractories, tools, forgings and pipe fittings, roll formings and stampings, wire rope and strand.

speed without shutting it off. The new design of the "National" engine speed governor makes it possible to ride at maximum or governed speed without having to keep under it to prevent engine "shutoff". It is not a speed reducer or engine choke—simply prevents any increase beyond governed setting. It can be set as high as 50 mph.

More details? Circle 435 on reply card

Brake-camshaft bushings from Grey-Rock Division, Raybestos-Manhattan, Inc., Manheim, Pa. are said to need no lubrication. When the new Pyrotex bushings are installed,

grease fittings are removed and replaced with pipe plugs. This eliminates chances of getting grease on brake linings, does away with need for relining due to overlubrication.

More details? Circle 436 on reply card

LP gas converter for medium and high horsepower engines is just six in. in diameter. Maker, Borg-Warner Corp., Decatur, Ill., says it will vaporize 40 gal. of LP gas per hour and rates it at 350 hp. The Model No. M5 converter is said to give easier starting, quick response to throttle changes and a lock-off safety factor of 2½ to 1.

More details? Circle 437 on reply card

Universal marker lamp now available from Columbus Metal Products, Inc., is said to be interchangeable with most original equipment lights. Various mounting holes and wire exits are provided to meet installation requirements. Available

(TURN TO PAGE 335, PLEASE)

● More details? Circle 265 on reply card inside back cover

● More details? Circle 266 on reply card inside back cover——→

"SYSTEMATIC" ECONOMY. . . regular piggy-banking assures it . . . and when it comes to braking so does Bendix-Westinghouse! For when you specify Bendix-Westinghouse Air Brakes, you get the kind of long-range economy, performance and dependability that only a complete air brake system with all components designed and engineered to work together can give you. That's why most of the nation's leading fleet operators as well as vehicle manufacturers choose complete air brake systems by Bendix-Westinghouse. When it comes to new vehicles, be sure to get the safest, surest, most economical stops available—Air Brakes by Bendix-Westinghouse.

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Keep your AIR BRAKE SYSTEM new and up-to-date with BENDIX-WESTINGHOUSE REPAIR EXCHANGE SERVICE!

Bendix-Westinghouse Repair Exchange Service—the finest factory rebuilding program in the industry—will take your worn or damaged air brake equipment . . . replace it with factory-rebuilt units featuring the latest engineering improvements . . . and guarantee you new-unit operating efficiency at a low, low cost per mile!

Rebuilt to exacting factory specifications, Repair Exchange Units carry the same warranty as brand new devices. Parts that are worn or deteriorated from long service are replaced with new parts in a factory-reconditioned unit. And all components are assembled and tested in the same manner as new devices, with maximum performance guaranteed.

Simply call or drive in to your nearest Bendix-Westinghouse distributor. He can provide you with a factory-reconditioned unit from his stock at a low flat rate based on necessary repairs to your old equipment. Stop in today at the familiar sign of your Bendix-Westinghouse authorized distributor.

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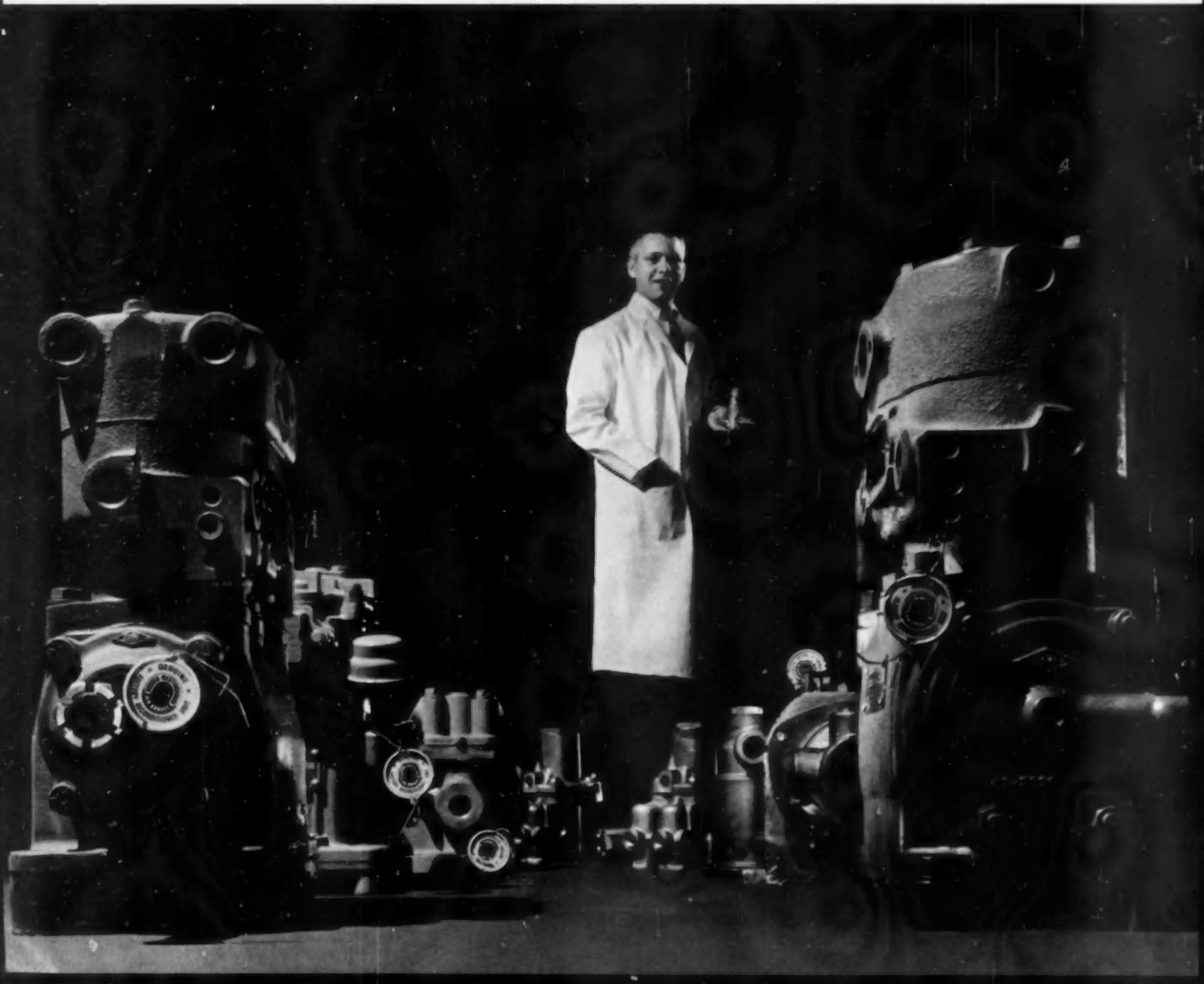
General offices and factory—Elyria, Ohio. Branches—Berkeley, Cal., and Oklahoma City, Okla.

BENDIX-WESTINGHOUSE SINCE 1923 PACEMAKER IN TRANSPORT SAFETY



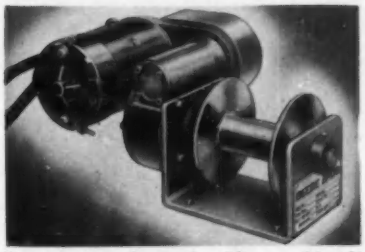
in vehicle accessories

Continued from Page 332

in 6 or 12-volt models, the lamp is 4 11/32 in. long, 2 11/32 in. wide and 1 5/16 in. high.

More details? Circle 438 on reply card

Battery-operated hoist for use on trucks and trailers is the ¾-ton portable electric hoist from Beebe Bros. Mfg. Co., Seattle, Wash.



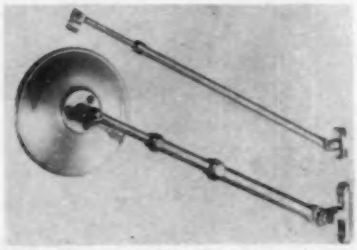
It operates from 6-, 12- or 24-volt battery, can be run in either direction due to worm-gear drive.

More details? Circle 439 on reply card

In-tank fuel pump conversion kit is the new Model No. 582 from Tokheim Corp., Fort Wayne, Ind. Maker says the kit permits replacement of any make of in-tank electric fuel pump with a Tokheim pump.

More details? Circle 322 on reply card

Trailer mirror is the double-extension Model No. 1545 made by R. E. Dietz Co., Syracuse,



N. Y. Mirror head is five in. in diameter, adjusts easily, stays in place. Arm extends from 13⅛ in. to 24½ in.

More details? Circle 323 on reply card

Snow plow wax from The Gledhill Road Machinery Co., Galion, Ohio, can be brushed or sprayed on the moldboard. Said to speed snow removal and prevent rust, it's quick drying and non-flammable.

More details? Circle 324 on reply card

Air compressor designed for mounting on any light pickup or panel truck is an 8-hp model just introduced by Saylor-Beall Mfg. Co., St. Johns, Mich. The Model No. UL-743-ES is said to be ideal for tire service on road calls.

More details? Circle 325 on reply card

High-capacity oil filter for heavy-duty applications is the new Model No. S-75 from GMC's AC Spark Plug Division. Designed for use with crankcase capacities up to 20 qt, it operates as a single unit or

NEW K-D TOOLS

SNAP RING PLIERS PLUS INTERCHANGEABLE POINTS FOR LARGER RINGS

K-D 454 Snap Ring Pliers Set. Consists of: No 455T INTERNAL Pliers for rings 2⁷⁄₁₆" to 4½" housing diam; No 456T EXTERNAL Pliers for rings 1½" to 4½" shaft diam; No 457 Point Asst. (3 prs. in plastic box). Plastic kit.

OTHER NEW TOOLS JUST ANNOUNCED! Flexible Shaft Hose Clamp Tool.....reversible socket Molding Nut Tool..Brake Shoe Retaining Spring Tool for Falcon Comet, Valiant, etc. ALL SHOWN IN FREE CATALOG No. 27F. WRITE FOR YOUR COPY TODAY.

K-D TOOLS · LANCASTER, PA. · U S A

● More details? Circle 267 on reply card inside back cover

Engler HUBODOMETERS For

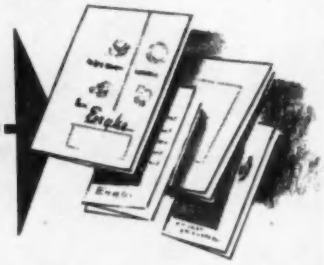
- PREVENTIVE MAINTENANCE
- WARRANTY PROGRAMS
- LEASING or RENTALS
- INTERCHANGE of EQUIPMENT

"Engler Hubodometers help Kroger to maintain accurate mileage records for heavy-duty trailers." . . .

The Kroger Company
1014 Vine Street
Cincinnati, Ohio

Over 10 years of fleet acceptance and field experience have proven Engler Hubodometers the accepted method of the industry for measuring mileage accurately and continuously. Hermetically sealed units provide complete and controlled registering of all commercial vehicle mileage and are ruggedly built for years of dependable service. Engler Hubodometers are also available on new equipment at all truck, trailer, and bus manufacturers.

Write for free illustrated literature on our products.



Engler

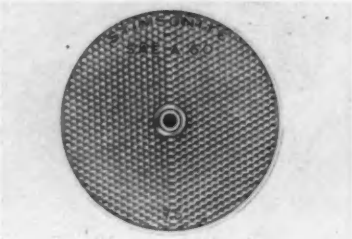
Instrument Company

250 Culver Avenue, Jersey City, N. J.
Phone HEnderson 4-6500

with multiple units installed in parallel. It can be used in addition to existing full-flow filters for extra filtration.

More details? Circle 326 on reply card

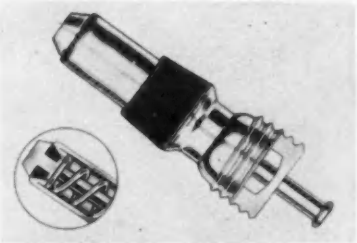
Reflector
has a hole in the middle so that it's mounted with just one fastener. Called Cent-R-Mount by the Stimson-



ite Div., Elastic Stop Nut Corp., Chicago, it can be mounted with a screw, drive nail, rivet nut and bolt, or snap fastener.

More details? Circle 327 on reply card

Safety valve core
has service range of 1 to 2500-lb air pressure. Milton Mfg. Co., Chicago, says that the new "All Pressure" core eliminates "set" failures. Design



of the new unit incorporates a tapered rubber seat molded to a one-piece pin. This permits faster inflation and assures automatic cleaning of the valve seat.

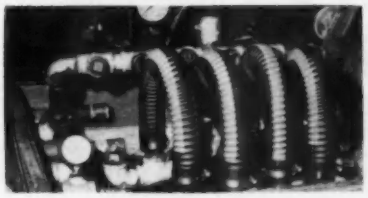
More details? Circle 328 on reply card

Radiator shutters
on truck and stationary engines are adjusted automatically with a new thermostatic-powered "Thermomotor" from Dunlap Mfg. Co., Tulsa, Okla. The self-powered modulating unit is said to adjust a shutter to maintain

constant coolant temperature to plus or minus two deg.

More details? Circle 329 on reply card

Radiator hose is designed for heavy-duty use on trucks and buses. Gates Rubber Co., Denver, Colo., says its new "Green Stripe Vulco-Flex" is designed to



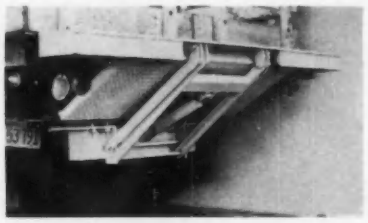
overcome failure of the inner rubber lining due to lack of resilience in the tube itself.

More details? Circle 330 on reply card

Turn and warning flashers from Macchi & Co., San Francisco, Cal., are now fitted with terminal clips. No splicing is needed—clips just plug into flasher receptacle. Kay-Lab Stop-It flashers are made for 6, 12 and 24-volt systems.

More details? Circle 331 on reply card

Folding liftgate is an electric-hydraulic tailgate which folds away under the truck body when not in use. Called "Folda-Lift," it's made by the Santa Anita Mfg.



Co., Santa Anita, Cal., fits trucks or trailers in the 1½-ton-and-over class. Fold-away feature permits normal unloading at dock facilities plus power tailgate unloading where dock facilities are not available.

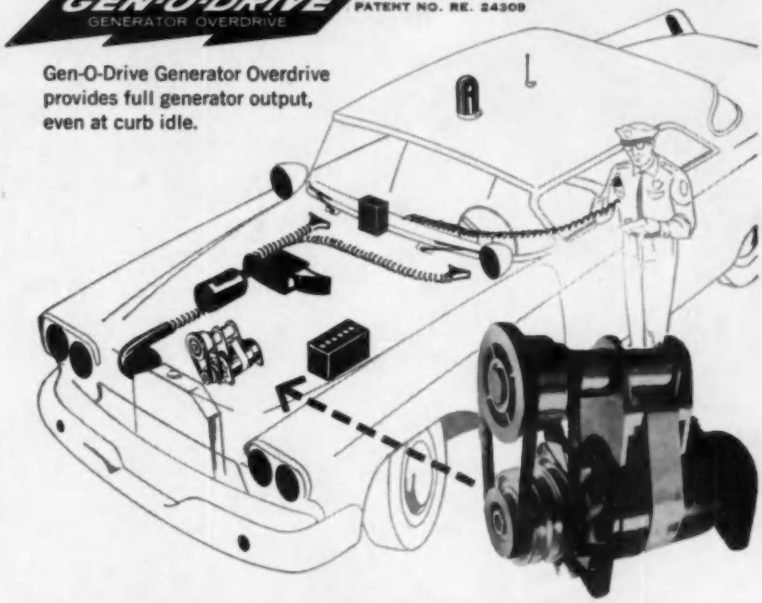
More details? Circle 332 on reply card

CCJ

OUR MATHEMATICAL GENIUS IN THE ACCOUNTING DEPARTMENT SAYS, "SOME GALS HAVE SUCH GOOD FIGURES THAT THEY GET THE ONCE-OVER TWICE!"

FULL ELECTRICAL POWER
at any engine speed!

GEN-O-DRIVE® GENERATOR OVERDRIVE PATENT NO. RE. 24309



KEEPS BATTERIES CHARGED!

End battery-generator breakdowns. New improved-model GEN-O-DRIVE offers efficient, dependable service. Assures maximum battery charge at any speed, *even with all accessories operating!*

Slow speed, long idling periods, sirens, warning lights . . . nothing can drain your battery. GEN-O-DRIVE gives top generator output. Prevents rundown batteries, cuts maintenance and costly replacement.

Economical! GEN-O-DRIVE needs no periodic service. Lubricated for life! No battery replacement . . . extends battery life. Full guarantee.

NOW! TWO SOURCES OF POWER FROM ONE GENERATOR!

Watt Power® AC-DC GENERATOR Patent No. 2,920,975

WATT POWER AC-DC GENERATORS fit all F-L-M, D-R, Autolite systems. Provide normal DC and up to 1200 watts of 110-volt AC current!

RETURN COUPON FOR FULL DETAILS

CONSOLIDATED GENERAL PRODUCTS, INC.
P. O. Box 7425A, Houston 8, Texas

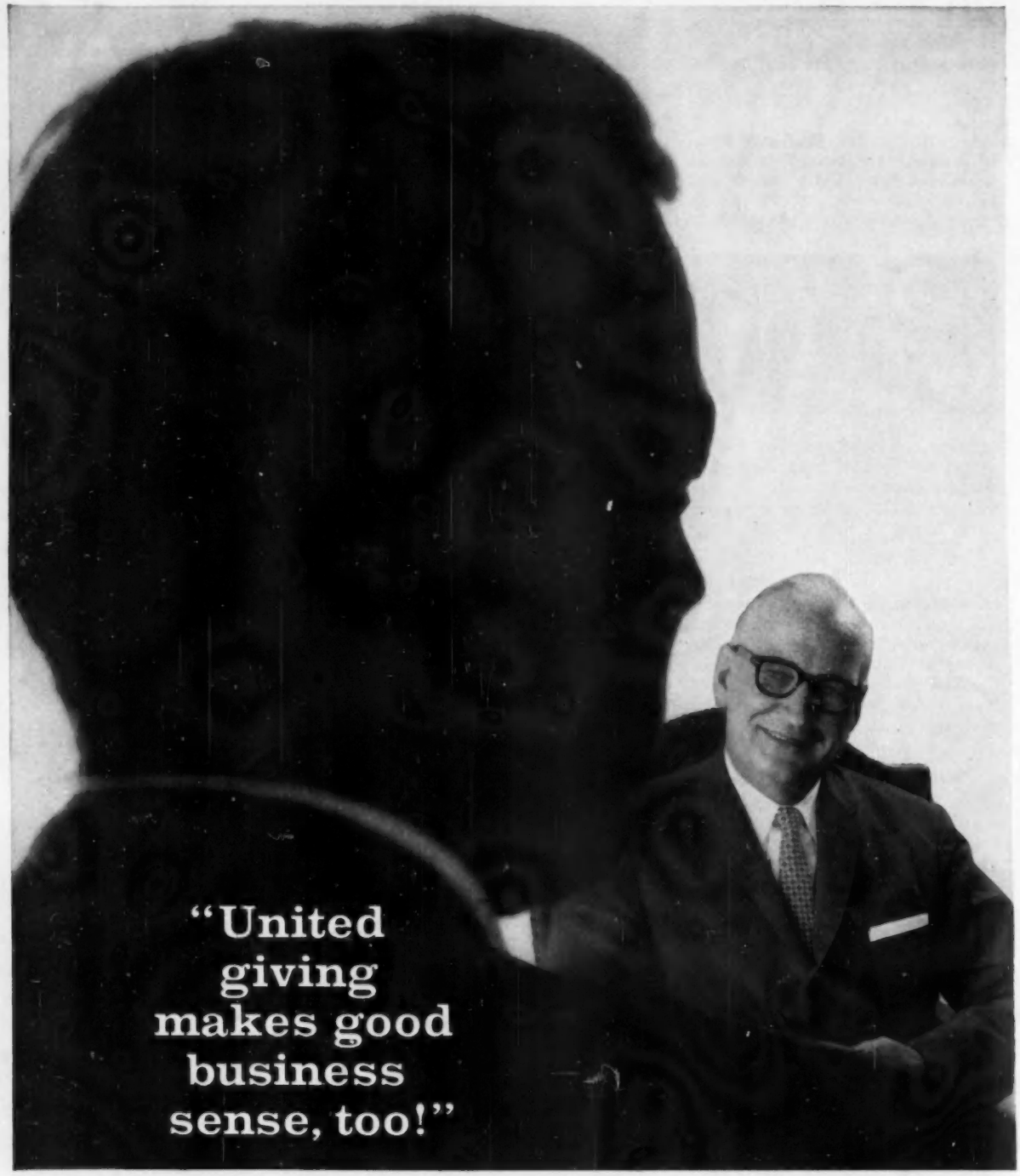
Send complete information on: ☐ Gen-O-Drive ☐ Watt Power Generators

Name_____

Address_____

City_____ State_____

● More details? Circle 269 on reply card inside back cover



Every business has a vital stake in the welfare of its community. The businesslike way to protect these interests is to support your community The United Way. Your United Fund or Community Chest Campaign takes care of many community needs without the confusion and waste of separate appeals.

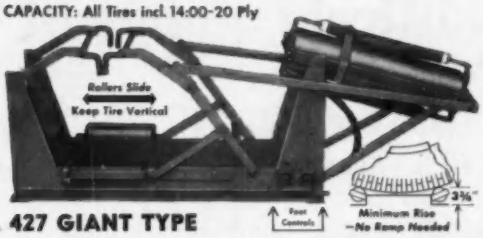
Your company can contribute in *three* important ways! ■ Make sure your company makes a generous corporate contribution. It helps protect the welfare of your employees and customers. ■ Help your employees meet their obligations through easy payroll payments. Experience shows this often doubles, even triples, results. ■ Stimulate executive participation in support of your local fund. Such participation helps safeguard the dollar investment made by your company and its employees.

Remember, giving The United Way helps your community *and* your company. **GIVE THE UNITED WAY**

NEW Low Level, Roll On TIRE SPREADERS

NO LIFTING—Just Roll On. Rollers slide to keep tire vertical, spreader opens and closes fast for quick inspection, positive foot control valve spreads and holds tire at any width.

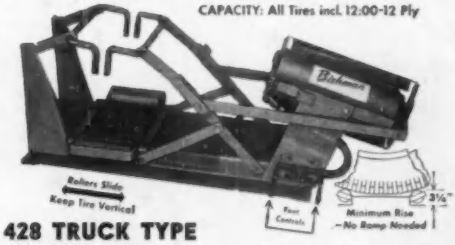
CAPACITY: All Tires incl. 14:00-20 Ply



No. 427 GIANT TYPE

For road machinery tires, including 14:00-20 ply to passenger tires. Spreads beads to 16", has 10" limit stop for passenger tires.

CAPACITY: All Tires incl. 12:00-12 Ply



No. 428 TRUCK TYPE

Spreads tires up to 12:00-12 Ply to a maximum 14" between beads. For details write for Bulletin 427.

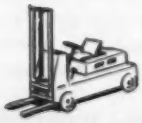
Sold through leading Automotive Equipment Distributors.

Bishman MANUFACTURING CO.
ROUTE 2, OSSEO, MINN., U.S.A.

● More details? Circle 270 on reply card inside back cover

SAVE 40% ON GASOLINE ENGINE OPERATING COSTS

BEAM LP-GAS CARBURETION EQUIPMENT



Out front in the LP Carburetion Field for over 23 years, Beam has the "right" conversion system for your gasoline-powered equipment... whatever its size or function.

Beam Carburetion Systems are easy to install, most compact in the Industry, and offer many other exclusive features. They will:

- save fuel costs,
- eliminate carbon and sludge,
- increase engine life three to four times,
- extend oil life up to ten times!

CONVERT WITH BEAM! Write today for complete details; specifications for your equipment; name of nearest Beam dealer.

BEAM PRODUCTS MFG. CO.
3040 Rosslyn Street • Los Angeles 65, Calif.
CHapman 5-5791

BEAM LP-Gas CARBURETION

● More details? Circle 271 on reply card inside back cover

Mahon rolling steel doors

SAVE SPACE
SAVE SERVICE
SAVE COSTS

in sizes and types to fit your application

Rolling Steel Doors are the proven and best way of closing any type opening. For a plant, distribution center or loading dock—in new or remodeled facilities—Mahon has the right Door for the job. Rugged, easy operating, Bonderized (and synthetic baked enamel protected) Steel Doors, power or manually operated, will give you long, trouble-free service. If damaged, they are completely repairable by an experienced Mahon crew . . . service contracts available.

Write for detailed 16-P Catalog C-60 or see Sweet's Files for full information.

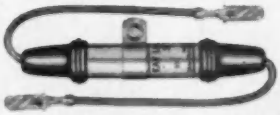
M A H O N

THE R. C. MAHON COMPANY • DETROIT 34, MICHIGAN
Manufacturing Plants—Detroit, Mich. and Los Angeles, Calif.
Sales Offices or Representatives Located in All Principal Cities

● More details? Circle 272 on reply card inside back cover

STOP FLASHER TROUBLES with... KAY-LABS®

Kay-Lab in-line Stop-It Flashers practically never need replacement. They withstand road shock, vibration, overloads; are sealed to keep out mud, dirt, water and oil. They operate all candlepowers—no need to match flasher to lamps when changing trailers.



Kay-Lab Stop-It flashes turn signals on trucks, trailers, taxis, passenger cars . . . also operates warning lights (up to 6 simultaneously) for police and emergency vehicles, standing delivery and public service fleets. Built-in safety—if one light goes out, Kay-Lab keeps others flashing; should flasher fail, warning lights stay on. Terminal clips make installation easy. 6, 12, 24 volts.

To get the most for your flasher dollars, order Kay-Labs. Specified nation-wide by safety engineers, police and fire departments. At your automotive jobbers . . . or write us for folder and prices.

7

Dealer inquiries invited.

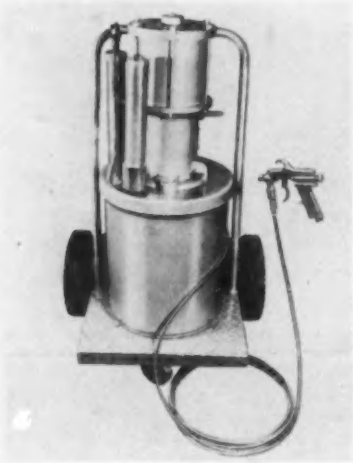
KAY-LAB FLASHERS

MANUFACTURED BY MACCHI & COMPANY
819 VALENCIA ST., SAN FRANCISCO 10, CALIF.

● More details? Circle 273 on reply card inside back cover

WHAT'S NEW in shop and fleet equipment

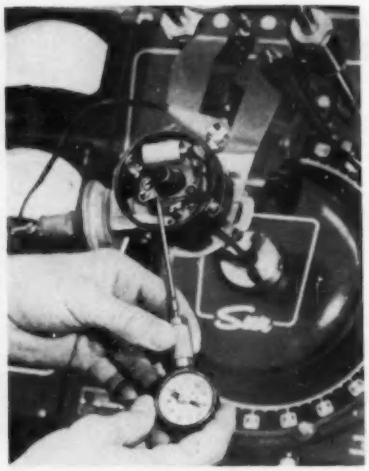
It's easy to get more details about the items described. Just fold out and use free reply cards inside back cover



Airless spray painting system called HydraAirless 30 by Spee-Flo Co., Houston, Texas, is said to have enough power for heaviest jobs. Its 30 to 1 ratio pump has operating presures up to 3000 psi.

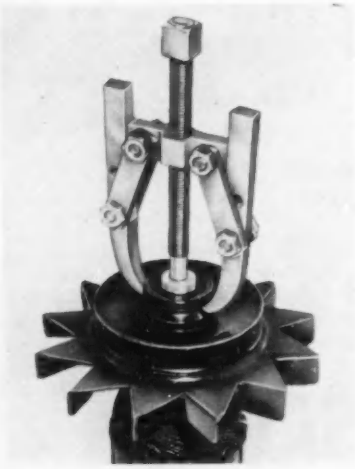
It handles up to four guns, manual or automatic. Heated or unheated, fixed or portable units come in 10 and 55-gal sizes.

More details? Circle 394 on reply card



Spring tension gage made by U. S. Gauge Division, Sellersville, Pa., checks tension of springs in most automotive applications. A "push-pull" instrument, it has zero reading at top of dial with compression reading on left and tension on right. Readings are guaranteed accurate to 2 per cent on either side of scale.

More details? Circle 395 on reply card



Small pulley remover weighs 14 oz, has about ¾ ton capacity. The Model No. 1000½-L Grip-O-Matic puller is made by Owatonna Tool Co., Owatonna, Minn. Recommended for removing press fit generator pulleys, it also handles other small pulling jobs. The small, 2-jaw unit is said to do a quick and easy job without damage to parts.

More details? Circle 396 on reply card

Camera takes identification card photos—might come in handy for making up ID cards for drivers in your fleet. Pictures are produced in color, as part of the document itself, by the Identiflex camera which is now offered by Graflex Inc., Rochester, N. Y.

The State of Colorado now requires identification photos on all drivers' licenses issued. The new camera is being used for their production. License applicants fill out the prescribed form which is placed in the camera. Both the applicant and the form are photographed together.

Film is processed and wallet-sized prints are made of the part of the application form which serves as the driver's license.

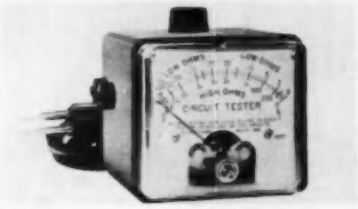
In fleet operations, this system could well be applied in providing badges or ID cards for various personnel identification requirements, particularly in cases where security regulations are involved.

Graflex says the camera is simple to operate without need of a professional photographer.

More details? Circle 400 on reply card

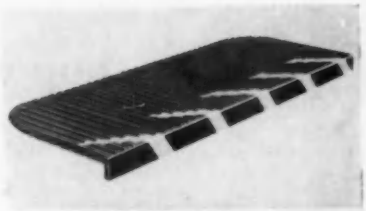
Electronic digital computer Model No. E103 is a new desk-size unit from Burroughs Corp. It processes such data as sales, billing, payroll and labor cost analysis.

More details? Circle 391 on reply card



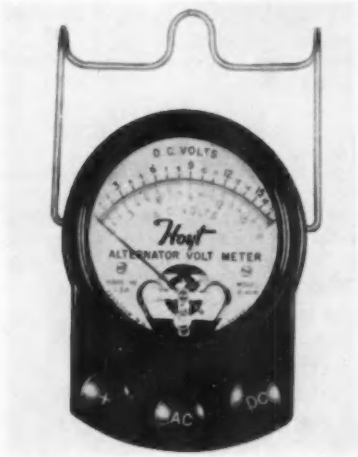
Compact circuit tester and ohmmeter is the Hoyt Model No. 666 from Burton-Rogers Co., Cambridge, Mass. It's said to test resistance on all vehicle circuits.

More details? Circle 392 on reply card



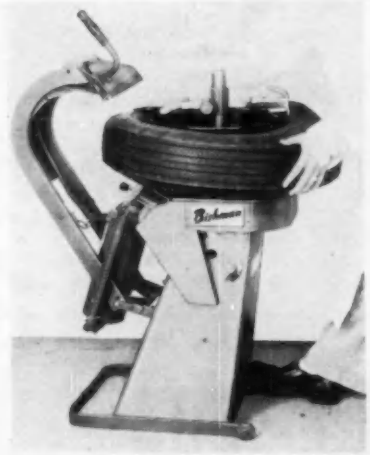
Special safety step plate for buses and other uses is called Rub-Bub Safety Supreme. Maker Samuel Moore & Co. says it gives better visibility, safety and wear.

More details? Circle 393 on reply card



Alternator volt meter is the pocket-size Hoyt Model No. 614-DR. Maker, Burton-Rogers Co., says it gives accurate readings from 0 to 18 volts, both AC and DC, for testing alternator output before and after retification. It comes with 3-ft rubber-covered leads and strong metal bail for hanging meter away from vehicle for better visibility.

More details? Circle 397 on reply card



Tire changer is electric and air powered, handles any wheel *and* rim from 12 through 17½ in. without adapters or accessories. The Model No. 880-61 is made by Bishman Mfg. Co., Osseo, Minn. Features include built-on air-powered double bead breaker, electric-powered mount-demount tool and handy built-on tool and lubricant holders.

More details? Circle 398 on reply card

Hand-held dwell-tach tester needs no setting or calibration—gives direct reading on both dwell meter and tachometer scales. The new Kal Dwell-Tach from Kal-Equip Co., Otsego, Mich., is for 6 or 12 volt operation, has automatic battery shutoff and burnout protection. Low load feature permits accurate tests during normal engine operation.

More details? Circle 399 on reply card

Engine lube oil analysis provides fleet maintenance men with an effective engine PM program and troubleshooting service. The service is offered by Analysts, Inc., Oakland, Cal.—newly established lube oil laboratory.

A sample of oil from an engine is said to indicate its condition in much the same way that a blood sample shows body condition. Oil circulates through the engine to all moving parts. As parts wear, trace elements are carried away and retained by the oil. Concentration of these elements, as noted by lab analysts, reveals extent of wear on the engine.

Under the new PM control program, a sample of oil is taken from the engine periodically on a time or mileage basis and sent to the lab. Part of the sample is tested to measure amounts of trace elements present. Traces identify parts that are wearing in the engine. The rest of the sample is tested for viscosity, flash point, precipitation, acid content and other physical properties.

By keeping a log of each engine, the lab records a history of trace elements. A sharp increase in one or more of them means trouble. This is pinpointed and can be taken care of immediately.

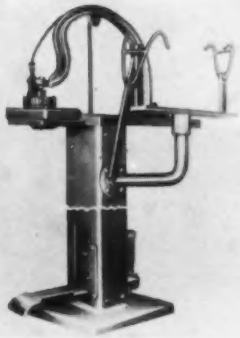
Results of the tests are used to set up a PM program for each vehicle in a fleet. Oil and filter change periods are also established to meet exact operating requirements of each engine.

The new service is said to provide greatly reduced operating and maintenance costs on both gasoline and diesel engines.

More details? Circle 401 on reply card

WHAT'S NEW in shop equipment

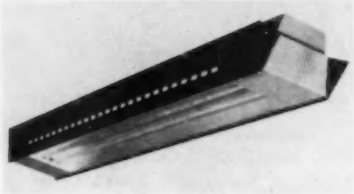
Vulcanizer
is a combination unit which repairs tubes, tubeless tires, valve stems, tire sidewalls, shoulders and treads and



other damaged areas, allowing for simultaneous curing inside and out. The Mecto vulcanizer handles all tire sizes up to 11:00-22. Pressures are leverage-controlled with a cam-action, non-slip treadle. Made by Mecto, Inc., Liberal, Kan., it's said to be economical and compact.
More details? Circle 333 on reply card

Anti-rust lubricant
is said to be non-flammable, non-toxic and harmless to skin. Fleet-shop and construction equipment operators will find Moovit is most useful for removing rusted, corroded parts and lubricating all metal surfaces to keep them rust-free. Lloyds Laboratories of America, Niagara Falls, N. Y., makes the new product which is available in ½ pts to 55-gal drums.
More details? Circle 334 on reply card

Infrared heaters
for garages and other automotive assembly or repair areas are produced by Fostoria Corp., Fostoria, Ohio.



The units can also be used outdoors to keep pump and service areas free of ice and snow. The Series CH comfort heaters are for overhead mounting, use standard high temperature linear quartz lamps. They're specifically designed for use in areas requiring either occasional or localized heating.
More details? Circle 335 on reply card

Welding gun
and controls are incorporated in a new manual unit for gas-shielded metal-arc welding. The Aircomatic MIGet gun is made by Air Reduction
(TURN TO PAGE 344, PLEASE)

NoSPIN® differentials help maintain profitable fleet operation by *eliminating costly wheel spin*

NoSPIN directs all the available torque to the drive wheel having traction. It completely eliminates losses resulting from unnecessary tread wear. . . . delayed delivery schedules and shock-loading differential and drive-line parts when vehicle equipped with conventional differential becomes stuck in mud, snow, ice or sand. It helps the fleet operator to save on fuel, oil and maintenance.

NoSPINS give truck wheels positive driving traction under virtually all adverse driving conditions. Thousands of satisfied users will give you an enthusiastic endorsement.

SPECIFY NoSPINS ON YOUR ORIGINAL EQUIPMENT OR INSTALL THEM ON PRESENT VEHICLES—they are easy to install and easy to maintain. No special tools required. Give yourself and your mechanics a break with NoSPIN differentials.

WRITE TODAY
for Complete Descriptive Literature

DETROIT AUTOMOTIVE PRODUCTS CORPORATION
Manufacturers of **THORNTON** *Four-Rear-Wheel* **DRIVES**
NoSPIN *Differentials and Super* **LOAD-BOOSTER** *third axles*
8707 GRINNELL AVENUE DETROIT 13, MICHIGAN, U. S. A.

ROAD EXPERIENCE AND ICC REGULATIONS CREATE THE NECESSITY OF QUALITY VOLTAGE CONTROLS AND CONNECTORS FOUND ONLY IN COLE-HERSEE PRODUCTS

Cole-Hersee quality connectors, switches, sockets and plugs are designed for good electrical connections with minimum voltage drop.

BUILT UP TO A STANDARD – NOT DOWN TO A PRICE

COLE-HERSEE CO.
Over 40 Years of Consistently Better Products
20 OLD COLONY AVENUE, BOSTON 27, MASS.

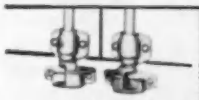
Specify Cole-Hersee Products when you order from your Jobber

Cole-Hersee's complete line of Universal Voltage Control Units & Trailer Connectors are the **only** units on the market today specifically designed to keep the lamps on the entire trailer up to **full candlepower.**

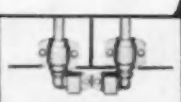
● More details? Circle 276 on reply card inside back cover

SHIPMENTS ROLL SECURE BEHIND MINER DOOR FASTENERS

Positive safety latches. Deeper "safety" keeper pockets prevent disengagement of cam. Reversible models make small inventories serve wider applications.



MODEL C
Large-contact, drop-forged cams ribbed for extra strength.

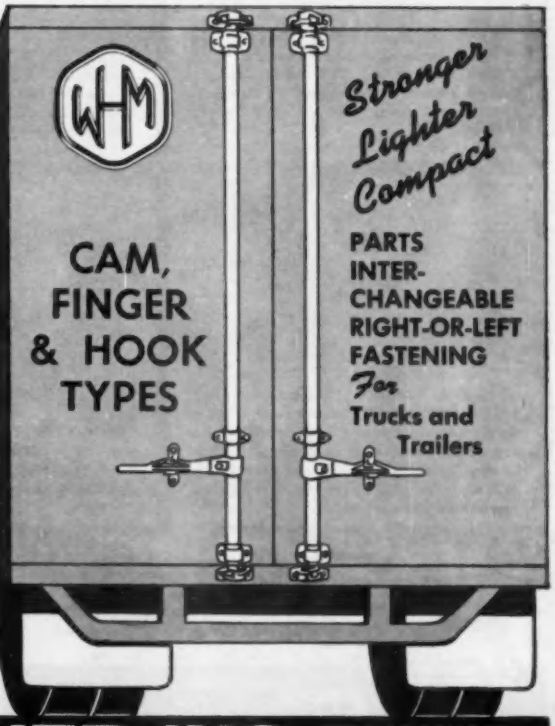


MODEL F
Positive-grip cast steel ends with large wear area.

MODEL H
Steel hook at bottom, cam at top for clear surface at door bottom.

3 STANDARD MODELS SUIT MOST APPLICATIONS

WRITE for FREE LITERATURE PRICE SCHEDULES



W. H. MINER, INC. 209 S. LA SALLE ST., CHICAGO 4, ILL.
66 YEARS of consistent progress

● More details? Circle 277 on reply card inside back cover

in shop equipment

Continued from Page 342

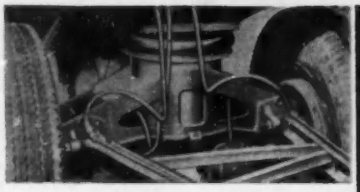
Co., New York City, for use in light-to-heavy fabrication where many short welds, off-the-ground welding or emergency repairs are needed. The gun weighs about 2½ lb, carries a compact, 50-ft reel of wire, wire-feeding drive rolls and complete-range wire-speed control within its housing.

More details? Circle 336 on reply card

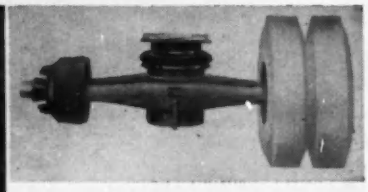
Small-parts cabinet is for heavy-duty fleet-shop use in storing very small carburetor and ignition parts, screws, washers, springs, etc. Three drawers are divided and subdivided, adjustable to user's needs. Index cards are provided to fit label-holders on drawers and cross dividers. Made by Bay Products, Inc., Philadelphia, the all-steel cabinet is 16¾ in. wide, 8¾ in. high and 11¼ in. deep, finished in gray baked enamel.

More details? Circle 337 on reply card

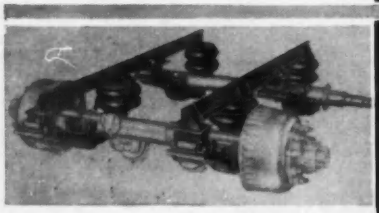
You're Money Ahead With
GREATER PAYLOAD
Using WESTERN UNIT
Trailer Components



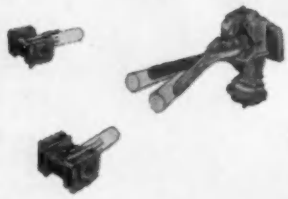
SMITHWAY Lightweight, Rugged Fifth Wheels are engineered for all pull trailers. The Model 300, above, mounts on all standard axles and is especially suited for hoppers, flatbeds, and transfer trailers.



SMITHWAY Model 200 Integral Axle Fifth Wheel is the ultimate in front axle suspension. Light in weight, yet tough, to handle all pull trailer requirements. The Model 200 is particularly suited for use where low mount is desired.



SINGLE & TANDEM "Rubber Mounted" AXLE SUSPENSIONS. Choose from Western Unit's complete range of suspensions for the ride your customers desire . . . leaf spring, combination leaf spring and air, full air . . . for conventional height or low mount requirements.



"SHOCKLESS" TRAILER HITCH for all draw bar requirement. "Rubber Mounted" TRAILER HINGES eliminate wearing parts, shock and rattle.

More and more progressive operators are using Western Unit's new, modern trailer components. Each unit is thoroughly proved and engineered to meet today's rugged, high-speed hauling conditions.

WESTERN UNIT Engineered Components For Trucks and Trailers

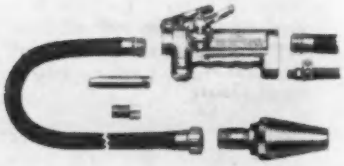
Manufactured By:
Western Unit Corporation
17747 East Railroad Street, City Of Industry, California
Telephone: YOrktown 4-2341

Timing analyzer shown here is the Model No. M-1700 made by McKinley Corp., Portland, Ore., for timing Cummins diesel engines. Said to replace two tools formerly used in fuel-injection timing,

the analyzer is designed to check and adjust for perfect timing and discover broken or worn lower rocker shafts, rollers or pins on Cummins diesels.

More details? Circle 338 on reply card

Reverse-flush gun speeds-up flushing of radiators and engine blocks, according to Aero-Motive Mfg. Co., Kalamazoo, Mich.,



makers of the new tool. Just made available for fleet shops, it's called the ZOO reverse-flush gun kit.

More details? Circle 339 on reply card

Portable crankshaft grinder made by Sunnen Products Co. can now be used more easily on engines with pan-rail not parallel to crankshaft. The company now offers an adjustable parallel bar that fastens

(TURN TO PAGE 347, PLEASE)

BURRUSS Brand

LAMINATED TRUCK FLOORING

Over 7,000,000 Sq. Ft. in use

Made to *your* EXACT dimensions

THICKNESS—1" to 1¾"

WIDTH—Up to 12" boards

LENGTH—40' if you need it

BURRUSS LAND & LUMBER CO., Inc.

P. O. BOX 129

LYNCHBURG, VIRGINIA

Telephone Victor 5-2343

● More details? Circle 279 on reply card inside back cover

■ Here's a ruggedly built dock bumper that minimizes dock, truck and freight damage by absorbing the impact of trucks backing into docks. Easily installed on wooden or concrete docks, they are the only bumpers made from resilient reversible rubber reinforced fabric that give you double service life. The bumpers will remain resilient even when frozen . . . require no covering and will not flatten or pack.

Write for detailed literature and prices.

BUMPERS, INC.

Subsidiary of Rowe Methods, Inc.

2534-E Detroit Ave. • Cleveland 13, O.

● More details? Circle 280 on reply card inside back cover

MEASURE ENGINE PERFORMANCE IN THE VEHICLE

ON A MAXWELL ELECTRIC CHASSIS DYNAMOMETER —The ONLY Dynamometer that measures net horsepower of the engine while it is mounted in the vehicle.

- Motors the vehicle as well as generates its power
- Determines cause of power loss
- Diagnoses complete performance regardless of tire size, transmission ratios, shift patterns, etc.

THE ONLY TRUE YARDSTICK FOR ENGINE PERFORMANCE

We welcome your inquiries

WRITE FOR FULL DESCRIPTIVE INFORMATION

MAXWELL DYNAMOMETER COMPANY

West Chester, Pennsylvania

Manufacturers of Engine and Chassis Dynamometers and Inertia Test Stands

● More details? Circle 281 on reply card inside back cover

HUPPOWER fleet heaters "FIT"

INTRIGUING, ISN'T IT . . . The thought of equipping your entire fleet with heaters and defrosters at a portion of your present cost.

CONSIDER THESE FACTORS:

COST . . . Lower than factory installed.

SELECTION . . . Complete range for all types of vehicles and weather conditions.

AVAILABILITY . . . A distributor in every locality with complete stock.

INSTALLATION . . . All units are supplied with detailed installation instruction sheet.

PERFORMANCE . . . Complete technical data and performance ratings are shown in catalog.

QUALITY . . . Service returns of less than 1/10th of 1%.

Model 901 (6, 12, 24 or 32 volt) EMelent, compact and powerful. Model 901 is designed as a primary heater for school buses, transit buses, crane cabs, cruiser class boats and as a secondary heater for school buses, transit buses, limousines and armored cars. Can be combined in multiple installations for greater passenger comfort.

Who makes these products? The Huppower Division of Hupp Corporation, with more than fifty years of quality manufacturing experience in the automotive field.

FLEET OPERATORS EVERYWHERE

Get Top Performance at Lower Cost with

Dependable HUPPOWER HEATERS and DEFROSTERS

See your Jobber for Complete Line.

Huppower Division of

HUPP CORPORATION

7450 MELVILLE AVE. DETROIT 17, MICH.

● More details? Circle 282 on reply card inside back cover

Trucks that pay their own tolls!

Leyland Diesel Trucks are here!

Finally! Urban haulers that can—and do—earn their way. Known the wide world over for unequalled feats of economy, the famous Leyland Diesel Trucks are finally available in the United States—*priced comparably to any equivalent domestic gasoline trucks.*

These are small diesels. Finely machined, faultless and cheap to run—made by a company that *makes* only diesels. (In fact, hasn't even thought of a gasoline engine for 12 years.) By comparison, most small diesel trucks "have yet to get their feet wet."

This superior knowledge of diesels—30 years of it—allows Leyland to perfect diesel trucks capable of making your transport more profitable. For instance: operators report Leyland Diesel Trucks get 15-17 miles per gallon of diesel fuel and chalk upward of 250,000 miles without major overhaul. Compared with equivalent gasoline trucks, savings made with a Leyland Diesel fleet easily pay the toll fees on modern expressways or make every 3rd mile of a Leyland run expense-free!

Write or phone for further information, now.

LEYLAND DIESEL TRUCKS AVAILABLE IN U. S.

Haulage model	GVW	Payload
LEYLAND CLAYMORE	19,000 lbs.	12,500 lbs.
LEYLAND CHIEFTAIN	24,000 lbs.	15,536 lbs.
LEYLAND CLYDESDALE	32,000 lbs.	20,000 lbs.

Leyland

World's largest exporters of diesel vehicles

LEYLAND MOTORS (U. S. A.) INC.
32 E. 57th St., New York 22, PL 1-6484-5

shop equipment

Continued from Page 344

to the pan-rail. It has a simple gage which takes alignment from main-bearing caps for positioning grinder in line with crankshaft axis. Model No. KN-660 adjustable-bar set is also recommended for use on pan-rails with widely-spaced bolt holes.

More details? Circle 340 on reply card

Truck-tank cleaning is complete, regardless of product carried, with new Vibra-Jet ball-sprayer attachment, according to the maker DeBois Chemicals, Cincinnati, Ohio. Vibrating action of the unit is said to eliminate blind spots inside

the tank, assures complete removal of residue. The ball-spray-type attachments are available to suit various cleaning operations and include high or low volume with top or side discharge.

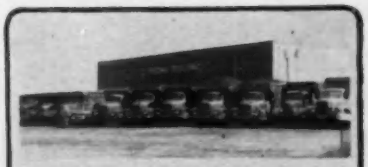
More details? Circle 341 on reply card

Test bench for generator and regulator testing is made by Allen Electric & Equipment Co., Kalamazoo, Mich., for use with Allen's portable Volt-Amp Tester.

More details? Circle 342 on reply card

Door opener for fleet shops and garages is radio-controlled for automatic door opera-

(TURN TO PAGE 350, PLEASE)



"LUBRIPLATE ENDED OUR TRANSMISSION TROUBLES"

says: DAVID TESONE TRUCKING CO.

"After installing larger engines in some of our trucks, we began to experience transmission failures due to faulty lubrication. We tried several types of gear lubricants without success, until we tried LUBRIPLATE APG #140 Gear Lubricant. Then our gear troubles ended. We are also getting outstanding results from LUBRIPLATE 630-2 in chassis and wheel bearings of our 40 heavy duty trucks!"

David Tesone

REGARDLESS OF THE SIZE AND TYPE OF YOUR MACHINERY, LUBRIPLATE GREASE AND FLUID TYPE LUBRICANTS WILL IMPROVE ITS OPERATION AND REDUCE MAINTENANCE COSTS.

LUBRIPLATE is available in grease and fluid densities for every purpose . . . LUBRIPLATE H. D. S. MOTOR OIL meets today's exacting requirements for gasoline and diesel engines.

For nearest LUBRIPLATE distributor see Classified Telephone Directory. Send for free "LUBRIPLATE DATA BOOK" . . . a valuable treatise on lubrication. Write LUBRIPLATE DIVISION, Fiske Brothers Refining Co., Newark 5, N. J. or Toledo 5, Ohio.

More details? Circle 359 on reply card

"We have been using Leece-Neville alternators since 1952," reports Stewart B. Hinder, Secretary and Operating Manager of Anderson Concrete Corporation, largest concrete firm in Central Ohio. "Many of the first alternators we installed are still in service. We like Leece-Neville's heavy-duty, low cut-in alternator that keeps batteries charged even at engine idle. These units require practically no maintenance. About 65 of our 108 vehicles are equipped with alternators, and we are gradually switching over to the new Leece-Neville alternators with built-in Silicon rectifiers."

Ohio Fuel Gas Company operates a fleet of about 2350 vehicles in the State of Ohio. L. P. Fry, Motor Transport Inspector, (standing) says, "We have had excellent experience with Leece-Neville alternators. In fact, these alternators outlast our trucks so we transfer them to newly purchased trucks. They require little or no maintenance, and help keep battery costs to a minimum. We also use Leece-Neville transformers to supply 110-volt A.C. power for small tools, extension lights and the like."

"It's not unusual at all when Leece-Neville alternators run well past the 100,000-mile mark without any need for maintenance," comments H. J. Moellencamp, Garage Superintendent for the giant Kroger Foods chain (standing). "About 30 of our tractors—operating on both long and short hauls around the state—are equipped with alternators. Any special service we might need is readily available through G. W. Holmes Company, our local distributor."

HOW SMART OPERATORS IN COLUMBUS,

The City of Columbus has almost 400 pieces of equipment—in police, fire, traffic regulation, electric, water and sewer departments—equipped with Leece-Neville alternators. According to Walter W. Curlis, Superintendent of Municipal Garages, "Leece-Neville alternators have been the answer to our battery problems. They keep batteries fully charged and ready to go, even though most of our vehicles have multiple flasher lights, 2-way radios, and stand with engines running at idle for long periods of time."

The State of Ohio makes extensive use of Leece-Neville alternators on cars and trucks in its Highway Patrol and Highway Departments. State officials report outstanding performance, cost savings and lower noise level on 2-way radios with L-N alternators.

THE LEECE-NEVILLE COMPANY, Dept. CC-11
1374 East 51st Street • Cleveland 3, Ohio

Please send me detailed information about L-N alternators and other electrical parts for my type of service.

Name_____ Title_____

Company_____

Address_____

City_____ Zone____ State_____

Type of Service_____

OHIO CUT FLEET MAINTENANCE COSTS

They use Leece-Neville alternators to save batteries, keep generator expense to a minimum, and avoid downtime.

Leece-Neville equipment can cut your costs, too! Put an end to battery and generator troubles now. Mail the coupon above for detailed information on L-N alternators for your type of service. Leece-Neville also is a leading supplier of heavy-duty DC generators, fractional HP motors, cranking motors, regulators and switches.

QUALITY ELECTRICAL EQUIPMENT
Leece-Neville
SINCE 1909

Specify Leece-Neville as factory-installed special equipment on your new vehicles.

● More details? Circle 284 on reply card inside back cover

Continued from Page 347

tion. The "Genie" electronic industrial garage-door operator saves time and heating costs as much as 15 per cent, says maker Alliance Mfg. Co., Alliance, Ohio. The Genie Model No. 410 can be operated by push-button or by a remote-control transistorized radio unit. It handles oversize sectional or solid doors with controls to open, stop, reverse direction and close.

More details? Circle 343 on reply card

Thread replacement

with new Keensert self-locking "replaceable sleeve" inserts require no drilling. Newton Insert Co., Los Angeles, Cal., makes the replaceable sleeve inserts as one-piece assemblies that may be screwed by hand into tapped holes. They are externally-threaded for assembly into the shell and internally-threaded for bolt attachment. A key locks the sleeve against rotation within the shell. Internal thread sizes are No. 10, ¼ in. and 5/16 in.

More details? Circle 344 on reply card

Ford and Follmer rely on AIR-PUSH Windshield Wiper Dependability

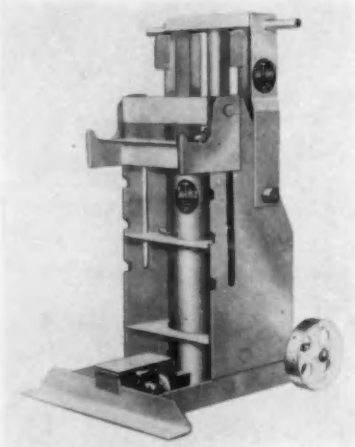
Follmer Trucking Company, Danville, Pa., promises to deliver anywhere in its 28,000 sq. mile territory within 24 hours. To profitably keep this promise of dependable deliveries Follmer relies on a fleet of nearly 150 Ford F-600 and F-800 Trucks. They rely, too, on the performance of Sprague Air-Push Windshield Wiping Equipment to insure better driver vision in bad weather—help get the pay-loads through safely. Air-Push Wipers are standard on Ford heavy duty, conventional and tilt cab series. How about your fleet? See your nearby Sprague Distributor or write us today.

Safety Starts with Seeing!

Sprague DEVICES, INC.
MICHIGAN CITY, INDIANA

Truck lift

is air-operated, features a heavy-duty convertible cradle saddle with five adjustable ranges. The new Sav-T-Hoist multi-purpose end lift for trucks



has 7-ton lifting capacity with three lifting positions—saddle, top and carriage. It has an 18-in.-stroke lifting range. It's made by Sav-T-Engineering Co., Inglewood, Cal.

More details? Circle 345 on reply card

A-C welder

is a single-phase, transformer-type, a-c welding power source. The Westing-arc TC welder from Westinghouse Electric Corp., Buffalo, N. Y., is built to operate from 230/460 volts primary and is NEMA rated as a 500-amp machine.

More details? Circle 346 on reply card

Battery tester

with an adjustable prod feature is made by Burton-Rogers Co., Cambridge, Mass. The new Hoyt Model No. CT-70 tests cells in all 6 or 12-volt batteries. Prod adjusts from 2½-5½ in.

More details? Circle 347 on reply card

Socket inserts

made by Houser Engineering & Mfg. Co., Bluffton, Ind., are magnetic. The magnetic socket-wrench-set inserts holds nuts, bolts and washers firmly

● More details? Circle 285 on reply card inside back cover

during placement. The magnetic buttons are easily inserted into openings of sockets ranging in size from 5/16 to ⅝ in.

More details? Circle 348 on reply card

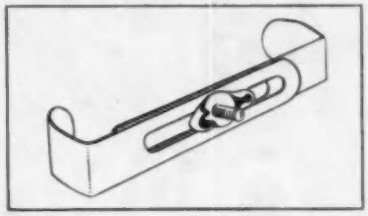
Work-bench leg assembly from Bay Products, Philadelphia, is designed to simplify building of shop tables and benches. The arc-welded, all-steel assembly has top cross angles for bench-top mounting and lower cross member for bottom shelf. Cutout, clamp and clearance holes are provided for mounting and wiring an electric socket. Foot shims compensate for uneven floors.

More details? Circle 349 on reply card

Aluminum cleaner removes stains, corrosion and tough soils from aluminum transportation equipment. Oakite Brightener combines solvents and acids in a water-soluble compound for spraying or brushing on surfaces to be cleaned. Oakite Products, Inc., New York City, makes the cleaner, says it does not affect sound, painted surfaces.

More details? Circle 350 on reply card

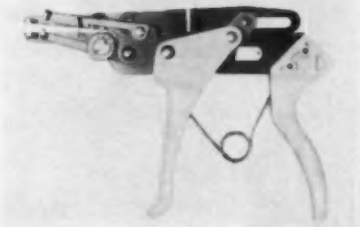
Wheel-cylinder clamp for use while relining or repairing hydraulic brakes is made by Eis Automotive Corp., Middletown, Conn. The



clamp is said to prevent pistons from leaving the cylinder while shoes are removed, eliminate fluid loss and save time and labor.

More details? Circle 351 on reply card

Wire stripping tool is called the Model No. SW-1 "Stripwright" by maker Utica Drop Forge & Tool Division, Kelsey-Hayes Co., Utica, N. Y. The adjustable tool has a squeeze-grip, slide action for cleaning most types of insulation in-



cluding Teflon on both solid and stranded wires. A cam-action calibrated dial can be adjusted to strip from No. 12 to No. 26 wire with a full range from .0 to .080 in.

More details? Circle 352 on reply card

Engine rebuilding can be done accurately and efficiently with a new line of engine reconditioning machines now being offered by Rogers Machine Co., Bay City, Mich. Maker says the A.M.C. line is for precision operation in regrinding

(TURN TO PAGE 357, PLEASE)

THE ORIGINAL SPRAY STARTING FLUID*

• Starts diesel and gasoline engines (from the smallest to the largest) down to 65° F. below zero • Starts in seconds • Excellent in humid weather too • Millions of cans sold • See your automotive jobber.

*The inventors of spray starting fluid. Patent No. 2,948,595

Ask for the can with the "balky donkey" trademark

SPRAY PRODUCTS CORPORATION
P.O. Box 1988 • Camden 1, N.J.

● More details? Circle 286 on reply card inside back cover

FORKLIFT PARTS

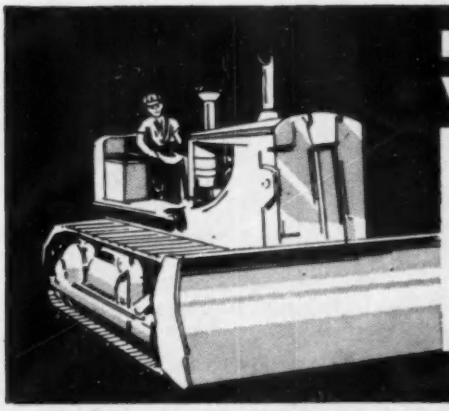
AT DISCOUNT PRICES FOR

CLARK • TOWMOTOR • HYSTER
ROSS • YALE • TOWNE

FORKLIFT PARTS MFG. CO.

3312 EAST OLYMPIC BLVD. • LOS ANGELES 23, CALIF.
PHONE: AN 9-0701

● More details? Circle 287 on reply card inside back cover



HOW TO GET AND RETAIN YOUR VEHICLES' FULL HORSEPOWER

Get ALL the horsepower their makers have built into your vehicles . . . Specify and get RIKER Mufflers on your new over-the-road and off-the-road vehicles . . . Revive the horsepower of present vehicles by replacing clogged or faulty-design Exhaust Equipment with RIKER . . . Heavy Duty MUFFLERS AND EXHAUST SYSTEM Units are our sole Business—not our sideline.

There's a RIKER Distributor near you or write the factory today for Catalog and complete information.

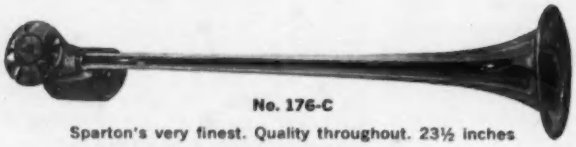
SPECIFY AND GET RIKER MUFFLERS • EXHAUST SYSTEMS

RIKER MANUFACTURING, INC., 4901 Stickney Ave., Toledo 12, Ohio.

● More details? Circle 288 on reply card inside back cover

New! from *Sparton*—
THE STRONG SOUND IN TRUCKING!

Here are two new ways to brighten the looks of your trucks, lighten the load on your drivers. Sparton's new *Powertone air horns* give you more for your money. Long life . . . Beauty . . . Top quality. Convince yourself. See them and hear them.



No. 176-C

Sparton's very finest. Quality throughout. 23½ inches of gleaming beauty. A voice with authority.

No. 275-C

Dual air horn, brilliant chrome finish. Horizontal diaphragm, no dirt or dust. Here's shine with strength.

Other models available in silver finish.
For complete details on Sparton's new line of Powertone air horns, write:

Sparton AUTOMOTIVE
Division of
SPARTON CORPORATION • Jackson, Michigan

● More details? Circle 289 on reply card inside back cover

FREE to Every Shop Operator

- Diesel Compression Testers
- Nozzle Testers for American Bosch, Caterpillar and Bendix Nozzles
- Cummins Injector Tester
- International Harvester Injection Testers
- General Motors Injector Testers
- Injection Pump Calibrating Stands
- Nozzle-Injector Cleaning Tools and Lapping Blocks
- Engine Overhaul Stands
- Engine Removal and Parts Dollies
- GM 71 Engine Tools

76 Pages—275 Illustrations
56 Engine Reference Tables
26 Parts Lists

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Send us FREE copy of your Diesel Shop Manual AD54

We are: ☐ Fleet Operators ☐ Injection Service Shop ☐ Diesel Manufacturers ☐ Parts and Engine Distributors

NAME_____
COMPANY_____
STREET_____
CITY and STATE_____

AD-15

● More details? Circle 291 on reply card inside back cover

HAVE YOU TRIED SAND BLASTING?

Tired of hand-sanding and scraping of Rust? Scale? Paint? Tough, hard-to-reach places cleaned to bare metal in SECONDS with . . .

NEW
PORTABLE "SANDY JET" SAND BLASTER

Model B

- Needs no separate blasting room.
- Light weight rugged construction.
- New pistol-grip for easy operation.
- Uses any easily obtainable abrasives.
- Three sizes of interchangeable sand nozzles and air jets, available to suit any job.
- Fast, intense, powerful, cutting action.
- Operates efficiently on 50 to 225 lbs. air pressure.
- Abrasive container holds 60 pounds of sand.

LOW COST
$39.95

★ 10 day money back trial offer. Complete with face shield, operators' hood and two extra nozzles.

Write for catalog

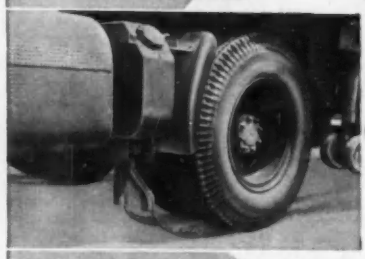
Order from your distributor or directly from the factory.

ALC COMPANY
R.D. #5, Box 40, Medina, Ohio

● More details? Circle 290 on reply card inside back cover

Truck Owners: STOP

WINTER TIME SKIDDING, SLIDING and SPINNING...
with Positive Grip
BLACK BEAUTY *Traction Grit*



End costly delays, traffic tie-ups, dangerous skidding and sliding with BLACK BEAUTY TRACTION GRIT, the scientifically designed material that gives your tires a positive grip on icy, snowy and wet roads. BLACK BEAUTY is made up of sharp, clean, hard pieces that are always free flowing, will not freeze, and bite into ice and snow to give tires a dry, tough surface for pulling away and for straight, safe stops.

Order Now for Immediate Deliveries

H. B. REED CORPORATION
91 PASSAIC ST., PASSAIC, N. J.
H. B. REED & CO., INC.
6618 KENNEDY AVE., HAMMOND, IND.

● More details? Circle 292 on reply card inside back cover

SEE A 2-WAY RADIO DEMONSTRATION

Your Motorola man will show you a nearby system in action

You'll see how radio-equipped vehicles in a business like yours can make *extra*, profit-producing calls by eliminating backtracking, "deadheading" and phoning-in.

You'll see how radio control of every vehicle gives your customers better service—gives you a competitive edge.

You'll see proof of decreased overtime—lower gas and oil bills—lower phone bills.

You'll get proof that Motorola 2-way radio can pay for itself in a short time—then go on to build your profits. Talk to the man who owns the system—ask him about Motorola dependability—Motorola service.

● More details? Circle 293 on reply card inside back cover

MAIL THIS COUPON TODAY!
NATURALLY THERE'S NO OBLIGATION

MOTOROLA
2-WAY RADIO

Motorola Communications & Electronics, Inc.
A Subsidiary of Motorola Inc., 4501 Augusta Blvd., Chicago 51, Illinois

☐ YES, I want a demonstration, have your man call me for an appointment. DEPT. CJ-1160

NAME_____ TITLE_____

COMPANY NAME_____

TELEPHONE NUMBER_____

ADDRESS_____

CITY_____ ZONE____ STATE_____

Teamsters Take Kiddies for a Ride

The Teamsters Union of the metropolitan New York, New Jersey and Connecticut areas recently held its first annual kiddies' day at Palisades Amusement Park, N. J. More than 2000 orphans of every race, color and creed were the guests of the union's rank and file committees.

2nd Annual Bottler Roadeo

Canada Dry's Philadelphia Div. held its 2nd Annual Bottler Roadeo on Oct. 2. Over 30 per cent of the fleet's delivery drivers entered this year. The six winners from two classes are shown here. Top man is Bill McHugh (second row center) who was runnerup last year.

New Officers of National Truck Leasing System

National Truck Leasing System, Chicago, elected new company officers at its recent annual convention. Shown here (left to right) are: W. C. Warren, Rochester, N. Y., treasurer; Nathan Katzman, New York City, vice president; Frank Max Jr., Baltimore, Md., president; Carl Carson, Memphis, Tenn., secretary; Hirschel Samit, Montreal, Quebec, vice president for Canada.

DORSEY TRAILERS

FRANCHISED DISTRIBUTORS COAST TO COAST

(Distributors handling only truck body or low-bed lines are so indicated.)

ALABAMA
Birmingham.....North Alabama Tractor & Trailer Co.
Dothan.....Felts Trailer & Equip. Co.
Mobile...Gulf Coast Truck & Equip. Co.
Montgomery..Bach Trailer & Body Sales

ARIZONA
Phoenix.....Trucks, Inc.

ARKANSAS
Fort Smith....Shipley Motor Equip. Co.
Little Rock.....Little Rock Machinery Co. (Low Beds)
Southern Equipment Co. (Bodies)

CALIFORNIA
Los Angeles...Eight Point Trailer Corp.
San Leandro....M & H Truck & Trailer Service
Turlock.....Lakeside Truck Body Co. (Bodies)

COLORADO
Denver.....Titan Dorsey Trailer Sales

DISTRICT OF COLUMBIA
Washington.....S. J. Meeks' Son

FLORIDA
Jacksonville..Florida Trailer Sales, Inc.
Rivers Trailer & Equip., Inc. (Bodies)
Lake Wales.....Central Supply Co.
Florida Equip. Co. (Low-beds)
Miami Dade Trailer Sales & Service, Inc.
Florida Equip. Co. (Low-beds)
Orlando.....Orlando White Trucks Inc.
Florida Equip. Co. (Low-beds)
Tampa.....Rivers Body Tampa, Inc.
Florida Equip. Co. (Low-beds)

GEORGIA
Atlanta.....Posey & Linn, Inc.
Augusta.....Bill Jones Motors
Macon...Johnson Trailer & Equip. Co.
Savannah.....Young Truck Sales & Service, Inc.

IDAHO
Boise.....Boise Kenworth Co.
Twin Falls.....McVey's, Inc.

ILLINOIS
Chicago.....Dorsey Trailer Sales & Service of Chicago
Chillicothe.....Koch Motor Sales
Decatur.....Glatz Truck Service
Springfield.....Arrow Trailer & Equip.

INDIANA
Evansville.....Hocker Power Brake Co.
Fort Wayne Bowlin-Gaff Car Rental, Inc.
Indianapolis.....H & H Trailer Sales
South Bend.....Schwalm Trailer Co.

IOWA
Cedar Rapids.....Transport Truck & Equip. Inc.
Des Moines Wood Diamond T Sales, Inc.
Hampton..Murphy Truck & Trailer Sales
Sioux City..Sioux City Trailer Sales, Inc.

KENTUCKY
Lexington.....Wilson Machinery Co. (Low-beds)
Louisville.....Manning & Shipley, Inc.
Wilson Machinery Co. (Low-beds)

LOUISIANA
Baton Rouge.....Massart Supply
Lake Charles.....Massart Supply
LaFayette.....Massart Supply
Shreveport...Daniels Truck-Trailers, Inc.

MARYLAND
Ellicott City..Fed-er-Line Truck Bodies, Inc. (Bodies)

MASSACHUSETTS
Somerville..Walsh Body & Trailer Corp.

MICHIGAN
Detroit.....Acme Trailer Co.
Acro Transportation, Inc. (Bodies)
Earle Equipment Co. (Low-beds)
Hudsonville.....Hudsonville Truck & Trailer Service

MINNESOTA
Duluth.....Economy Motors, Inc.
Minneapolis.....Blewett-Hanson Trailer Sales

MISSISSIPPI
Jackson.....Capitol Trailer & Body Co.

MISSOURI
Cape Girardeau.....Harris Truck & Trailer Sales, Inc.
Chillicothe.....Cooke Sales & Service (Low-beds)
Kansas City...Westfall GMC Truck, Inc.
Springfield.Montgomery GMC Trucks, Inc.

MONTANA
Billings.....Motor Power Equip. Co.
Great Falls.General Truck & Tractor Co.

NEBRASKA
Omaha..Leonard W. Begley & Sons, Inc.

NEVADA
Reno.....Jordan Thermo-King Co.

NEW HAMPSHIRE
Concord.....New Hampshire Tractor Corp. (Low-Beds)

NEW JERSEY
Irvington.....Peter Wendel and Son

NEW YORK
Batavia.....Boyles Motor Sales
Brooklyn...B. & J. Spring & Equip. Co.
Manhattan..B. & J. Spring & Equip. Co.
Mineola...B. & J. Spring & Equip. Co.
Nassau.Cronin Truck Body & Equip., Inc.

NORTH CAROLINA
Charlotte...Southern Equip. Service Co.
Carolina Body & Equip., Inc. (Bodies)
Wilson.....Simpson Equip. Corp.

OHIO
Cincinnati.....Dorsey Trailer Sales of Cincinnati
Cleveland.....Cleveland Truck Body & Equip. Co. (Bodies)
Columbus..Weaver Trailer & Body Co.
Dayton..Dayton Commercial Equip., Inc.
Dover.....Weaver Truck Trailer & Body Corp.
Elyria.....Papenbrock Sales & Service
Toledo.....Middlekauff, Inc.

OREGON
Portland.....Beall Dorsey Trailer Sales of the Northwest

PENNSYLVANIA
Allentown.....Parker, Inc.
Erie.....Phelps Coal Company
Forty Fort, Wilkes Barre...Valley White Truck Company
Harrisburg.....Osterlund, Ind.
New Bethlehem.....Stew's Truck & Trailer Sales
New Castle Bailey Sales & Service, Inc.
Philadelphia..Edwin Coane Trailer Sales
York.....Roosevelt Garage, Inc.
Truck Body & Equip. Sales (Bodies)

RHODE ISLAND
Providence.....Tractors, Inc. (Low Bed)

SOUTH CAROLINA
Charleston....Southern Truck Co., Inc.

SOUTH DAKOTA
Sioux Falls.....Schweigers, Inc.
Watertown.....Schweigers Sales, Inc.

TENNESSEE
Nashville.....Matlock & Cope
Memphis.....Matlock & Cope

TEXAS
Austin.....Commercial Body Corp.
Dallas.....B & M Equipment Co., Inc.
Grand Prairie.....American Body & Equipment Co. (Bodies)
Houston.....Houston Trailer and Truck Body, Inc.
Lubbock.....Western Trailer Company
San Antonio....Commercial Body Corp.

WASHINGTON
Spokane..Spokane Dorsey Trailer Sales

WEST VIRGINIA
Charleston.....Motor Truck Sales, Inc.
Huntington.....Carroll Equipment, Inc.
Wheeling.....West Virginia-Ohio Motor Sales, Inc.

WISCONSIN
Madison Dorsey Trailer Sales of Madison
Milwaukee...Brake and Equip. Co., Inc.

WYOMING
Casper.....Mears Equipment Co.

● More details? Circle 294 on reply card inside back cover

In every field, coast to coast...
men who know their trailers
are proud to say..."it's a Dorsey!"

DORSEY TRAILERS

A Subsidiary of The Dorsey Corporation

Dorsey Trailers and Bodies are sold and serviced by franchised distributor specialists Coast to Coast. See the Yellow Pages.

Send for FREE LITERATURE

---DORSEY TRAILERS • ELBA, ALA.------

Send literature with details on—

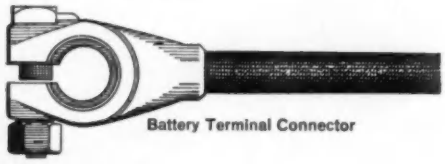
___Extra light freight vans ___Grain trailers
___Economy freight vans ___Platforms
___Hi-Cube freight vans ___Insulated vans
___Furniture vans ___Livestock vans

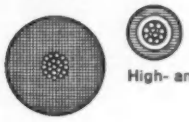
NAME _____

ADDRESS _____

CITY _____

ORDER YOUR PACKARD ELECTRIC CABLE NEEDS NOW


Battery Terminal Connector


High- and Low-Tension Cable

Snap Fast Connectors

Packard Electric has a complete line of quality automotive cables. They are used on more cars than all other makes combined. From Connectors to High- and Low-Tension Cable, through Battery Cable and T.V.R.S. (Television-Radio Suppressor) Cable, Packard Electric Products have a well-earned reputation for reliability and are packaged for profit and convenience.

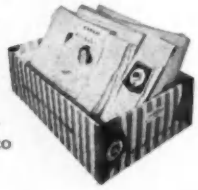
AND ENJOY VALUABLE SPECIAL BONUS!

Engine Compartment Cable

T.V.R.S. Cable

SPECIAL DEAL—

A CASCO ELECTRIC BLANKET FOR ONLY $11.95 A $20 order for any combination of Packard products qualifies you. All you have to do is figure your cable needs for the season. Ask your U-M-S supplier to explain just how easy it is to get one of these Casco Electric Blankets, twin or double size.



Packard Electric

Warren, Ohio

GM GENERAL MOTORS

"Live Wire" Division of General Motors

● More details? Circle 295 on reply card inside back cover

shop equipment

Continued from Page 351

crankshafts, line-boring engine blocks, surface-grinding cylinder blocks, heads and manifolds, and reboring.

More details? Circle 353 on reply card

Tool reels permit air and electric tools to "float" in mid-air for arm-length convenience. The Model No. 700 BR from Cordo-

matic, Philadelphia, is an automatically retracting balance reel with grounding type electric reel assembly.

More details? Circle 354 on reply card

Hydraulic scrubbing unit called the "Super Booster" jet cleaner is a new high impact cleaner from Sellers Injector Corp., Philadelphia. It has a specially designed mixing chamber of venturi injector assembly which produces a jet stream for cleaning areas up to 50 ft away. Three models are available for use with plant steam pressures of 5-150 psi and water pressures from 10-40 psi. Hose pressures produced range from 100-630 psi.

More details? Circle 355 on reply card

Radiation detector for fleets hauling atomic materials is the UTP Model No. 460 from Universal Transistor Products Corp., Westbury, Long Island, N. Y. The portable, transistorized count rate meter and area monitor is said to be rugged and lightweight, comes in a leather carrying case. It detects Alpha, Beta and Gamma radiation.

More details? Circle 356 on reply card

Don't let your profits skid...

use CAMPBELL CHAINS

Keep your fleet rolling safely and profitably!

Choose the CAMPBELL TIRE CHAIN that's right for *your* trucks and service:

Lug-Reinforced for maximum traction and wear; *Mud Service* for off-the-road; *Highway Service* for general use.

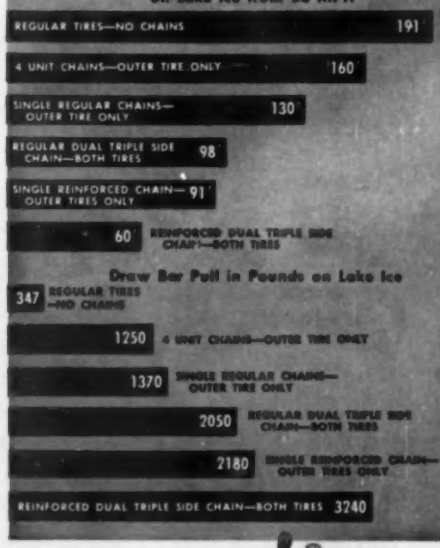
Before the snow flies, get ready to keep your fleet rolling! Ask your jobber for information on Campbell Tire Chains. Or write direct, if you prefer.

You are assured the best delivery and service from the Campbell nationwide network of warehouses and factories.

SAFETY MEANS PROFITS FOR YOU!

Look at the results of Truck Tests by the Committee on Winter Driving Hazards of the National Safety Council:

Average Braking Distances on Lake Ice from 20 MPH



CAMPBELL CHAIN

CAMPBELL CHAIN Company

FACTORIES: York, Pa.; West Burlington, Iowa; Union City, Calif.
WAREHOUSES: E. Cambridge, Mass.; Atlanta, Ga.; Dallas, Texas; Chicago, Ill.; Portland, Ore.; Seattle, Wash.; Los Angeles, Calif.

More details? Circle 296 on reply card inside back cover

1960 New Truck Registrations*

STATE		Brockway	Chevrolet	Diamond T	Dodge	Ford	G.M.C.	International	Mack	Studebaker	White	Willys Jeep	Willys Truck	All Others	Total
Alabama	Aug.		610	2	77	452	114	116	34	13	16	9	7	41	1,491
	8 Mos.	1	4,661	36	506	3,777	1,190	1,223	284	34	239	42	71	417	12,481
Alaska	Aug.		21		1	20	22	10	7	2			1	13	97
	8 Mos.		193	3	21	142	141	177	14	15	2	5	15	101	829
Arizona	Aug.		415	2	88	331	147	100		12	2	11	20	82	1,210
	8 Mos.		3,166	11	580	2,561	842	640	14	49	73	77	155	475	8,643
Arkansas	Aug.		598		48	496	152	142	8	10	32	6	5	24	1,521
	8 Mos.		4,655	11	379	3,964	1,042	1,100	36	54	60	39	37	156	11,532
California	Aug.		3,123	14	421	3,049	781	682	27	71	56	91	106	782	9,203
	8 Mos.		26,131	128	2,945	24,076	5,838	4,941	166	383	672	682	691	5,221	71,874
Colorado	Aug.		538	4	74	379	144	111	4	11	7	48	46	24	1,390
	8 Mos.		3,747	16	577	3,095	1,019	959	41	73	83	336	296	248	10,490
Connecticut	Aug.	1	153	3	37	176	71	98	15	11	14	7	31	86	703
	8 Mos.	10	1,226	24	223	1,183	397	725	132	42	160	68	170	464	4,824
Delaware	Aug.	4	72		13	52	21	46	27	2		2	3	11	253
	8 Mos.	12	511	9	117	402	154	289	128	5	79	8	16	74	1,804
District of Columbia	Aug.		57	3	9	62	28	23	2		8	1	7	23	223
	8 Mos.	1	616	8	106	481	191	166	56	4	32	6	37	205	1,909
Florida	Aug.		590	8	64	682	186	207	36	6	30	34	68	153	2,064
	8 Mos.		5,499	97	614	6,206	1,667	1,776	308	90	422	294	511	1,612	19,068
Georgia	Aug.		418	2	111	519	139	121	7	2	3	6	10	51	1,389
	8 Mos.		6,208	40	788	6,060	1,461	2,090	294	107	313	75	114	790	18,338
Hawaii	Aug.		53		7	65	14	27			5		10	36	217
	8 Mos.		415	2	137	457	74	244		2	35	24	229	222	1,841
Idaho	Aug.		194		47	177	107	80	2	10	9	10	21	28	685
	8 Mos.		1,825	9	318	1,477	766	675	36	58	79	71	163	156	5,631
Illinois	Aug.		1,078	31	195	764	256	478	25	29	78	24	57	165	3,180
	8 Mos.		8,060	215	1,165	7,318	1,991	4,221	275	188	421	207	511	1,518	26,090
Indiana	Aug.		639	13	82	549	162	278	23	30	41	8	26	110	1,961
	8 Mos.		5,594	79	838	4,633	1,455	2,589	316	211	347	88	235	788	17,173
Iowa	Aug.		382	6	45	414	120	236		7	12	7	9	47	1,285
	8 Mos.		3,570	44	392	2,926	810	1,881	41	73	62	57	107	383	10,346
Kansas	Aug.		517	4	52	523	165	123	1	12	6	7	14	23	1,447
	8 Mos.		4,731	21	510	4,056	1,215	1,386	12	73	53	48	137	199	12,441
Kentucky	Aug.		370	2	35	297	92	113	6	4	5	12	16	27	979
	8 Mos.		3,617	12	320	2,863	901	1,150	84	35	119	95	138	244	9,578
Louisiana	Aug.		625	4	43	630	133	134	5	6	9	15	15	68	1,687
	8 Mos.		4,932	28	304	4,567	966	1,189	63	40	86	70	83	498	12,826
Maine	Aug.	1	102		9	115	39	146		2	8	2	11	45	480
	8 Mos.	13	1,111	2	132	1,169	344	746	41	32	40	76	169	220	4,095
Maryland	Aug.	4	324		92	271	105	193	21	2	32	13	21	43	1,121
	8 Mos.	46	2,483	22	461	2,298	491	1,188	159	19	162	191	291	386	8,197
Massachusetts	Aug.	3	235	1	62	396	150	194	38	10	32	25	41	181	1,368
	8 Mos.	45	2,075	20	523	2,537	879	1,387	204	44	266	111	360	807	9,258
Michigan	Aug.	1	635	2	128	946	430	303	25	15	36	35	79	180	3,015
	8 Mos.	13	9,109	76	1,632	8,518	2,886	2,219	175	119	348	266	532	1,331	27,224
Minnesota	Aug.		420	3	69	440	124	228	10	21	2	7	9	45	1,378
	8 Mos.	4	4,150	45	548	3,065	912	1,700	76	105	105	44	150	387	11,891
Mississippi	Aug.		444		37	408	82	122	7	7	1	2	8	25	1,143
	8 Mos.		3,683	5	288	2,921	847	1,046	51	50	31	47	53	215	9,237
Missouri	Aug.		1,013	9	172	798	317	374	4	24	44	15	20	52	2,840
	8 Mos.		7,090	48	723	5,365	1,952	2,395	77	90	160	79	168	381	18,528
Montana	Aug.		214	4	30	197	83	66	4	4	4	11	36	36	689
	8 Mos.		1,557	15	298	1,425	456	727	34	23	56	75	221	195	5,082
Nebraska	Aug.		330	6	29	323	89	142	80	3	15	7	13	23	1,060
	8 Mos.		3,013	42	263	2,617	667	1,289	126	36	124	69	148	269	8,683
Nevada	Aug.		83		16	113	44	45	5	4	1	5	8	20	344
	8 Mos.		567	1	151	515	283	304	8	24	6	45	75	173	2,152
New Hampshire	Aug.	2	85	8	15	105	25	40	5	4	2	8	22	33	354
	8 Mos.	7	698	25	127	756	196	420	130	16	45	68	156	241	2,887
New Jersey	Aug.	15	422	7	83	464	260	250	61	8	85	21	47	160	1,883
	8 Mos.	144	4,098	116	868	4,871	1,535	2,190	470	62	582	181	474	1,207	16,798
New Mexico	Aug.		442		37	327	80	85	3	7	4	20	7	16	1,028
	8 Mos.		2,632	3	288	1,932	697	436	16	43	34	85	102	114	6,382
New York	Aug.	28	1,088	19	198	1,363	463	847	118	18	133	71	150	331	4,827
	8 Mos.	304	8,876	106	1,733	8,841	2,787	6,587	842	114	1,170	571	1,207	2,542	35,680
North Carolina	Aug.		888	1	58	930	175	186	4	20	39	24	16	76	2,417
	8 Mos.		5,437	25	500	5,969	1,353	1,541	197	89	256	136	157	529	16,199
North Dakota	Aug.		159	1	23	166	31	78		2	1		3	9	473
	8 Mos.		1,191	11	180	993	238	663	1	17	1	7	28	43	3,373
Ohio	Aug.		853	12	156	799	351	386	51	19	69	15	71	136	2,918
	8 Mos.	24	7,925	105	1,558	7,407	2,528	3,558	398	160	758	289	644	1,267	26,621
Oklahoma	Aug.		914		68	728	159	204	10	20	13	3	10	22	2,151
	8 Mos.		6,073	11	618	4,798	1,091	1,452	68	66	141	47	91	175	14,631
Oregon	Aug.		372		25	293	154	127	11	31	26	17	22	77	1,155
	8 Mos.		3,530	17	563	2,927	1,223	1,055	89	154	529	116	295	778	11,276
Pennsylvania	Aug.	12	1,111	63	284	896	347	524	132	36	80	146	151	185	3,966
	8 Mos.	129	7,317	177	1,937	6,756	2,030	3,956	1,081	179	757	639	1,164	1,261	27,383
Rhode Island	Aug.		32		16	60	11	28	6	3	3		3	28	190
	8 Mos.	2	331	2	51	488	79	227	53	12	22	5	36	232	1,540
South Carolina	Aug.		570		61	255	60	57	6	2	7	10	5	26	1,059
	8 Mos.		2,751	3	367	2,389	500	672	85	17	68	62	39	278	7,251
South Dakota	Aug.		150	2	11	150	41	88	1	6	2	2	7	12	472
	8 Mos.	2	1,413	20	228	1,226	360	993	13	32	19	32	82	92	4,512
Tennessee	Aug.		509	2	40	526	123	165	24	11	19	7	17	29	1,472
	8 Mos.		4,462	11	473	4,013	1,246	1,372	254	42	241	84	107	293	12,598
Texas	Aug.		2,743	3	194	1,951	422	539	16	37	46	62	41	135	6,189
	8 Mos.	1	22,619	63	1,597	15,891	3,461	4,953	297	231	658	332	302	1,232	51,637
Utah	Aug.		129	1	15	117	53	48		1	5	6	7	16	398
	8 Mos.		1,643	12	297	1,389	580	410	19	14	54	61	83	125	4,687
Vermont	Aug.	1	82	1	10	51	31	35	7		3	14	25	16	276
	8 Mos.	7	572	6	83	520	198	288	51	16	28	89	156	189	2,205
Virginia	Aug.		471		134	515	117	188	17	13	12	18	21	72	1,578
	8 Mos.	6	3,946	17	690	3,697	1,004	1,356	267	75	169	147	463	623	12,460
Washington	Aug.	1	435	1	42	474	222	243	3	16	6	10	24	54	1,531
	8 Mos.	1	3,427	14	459	2,981	1,420	1,195	78	70	116	76	215	567	10,639
West Virginia	Aug.		265		49	210	98	89	11	4	14	24	37	24	825
	8 Mos.		1,919	13	341	1,589	549	530	82	32	80	131	312	227	5,805
Wisconsin	Aug.		429	4	58	400	154	221	25	10	14	14	33	78	1,440
	8 Mos.		3,782	56	494	3,231	1,081	2,397	121	69	138	190	299	544	12,392
Wyoming	Aug.		134		15	118	51	53	2	2	4	9	19	8	415
	8 Mos.		1,261	5	153	834	216	390	18	28	32	66	147	122	3,522
Total	August, 1960	73	26,736	248	3,686	24,530	7,745	9,419	936	600	1,095	921	1,458	3,987	81,440
Total	August, 1959	105	29,509	295	4,747	27,852	6,976	9,901	961	541	1,260	895	1,675	3,690	89,387
Total	8 Months, 1960	772	220,098	1,687	29,462	194,824	56,411	77,063	7,881	3,616	10,563	6,699	12,432	30,855	652,563
Total	8 Months, 1959	738	228,605	1,876	37,383	191,220	48,889	69,763	9,306	4,336	10,265	5,909	11,873	27,606	647,749

* Compiled from official state records. Data property of R. L. Polk & Co. May not be copied, sold or reprinted without Polk permission.

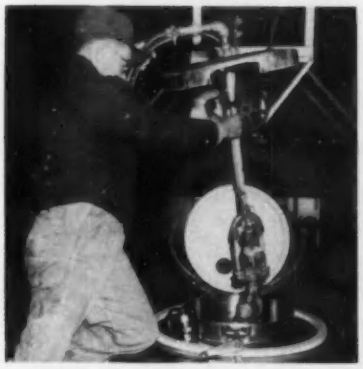
Sellers Rotor Jets give quick cleanup for tank–truck fleet

E. BROOKE MATLACK, Inc., West Chester, Pa., operates one of the foremost tank-truck fleets handling transportation of some 400 various liquids. In maintaining leadership in the field, the company can't risk cross-contamination of any of the products carried. Tankers must be completely cleaned after each load hauled. Since downtime must be held to a minimum, Matlack is always on the lookout for faster, more economical cleaning methods.

Tank cleaning has recently been speeded-up in several Matlack terminals by the use of Rotor Jets made by Sellers Injector Corp., Philadelphia. The units are said to do a thorough cleaning job in about half the time as previously-used methods.

High-pressure cleaning

Nozzles of the Rotor Jet are said to direct high-pressure, solid jet streams of water and/or solvents inside the tanker for a complete hydraulic scrubbing. System eliminates need for someone to go inside the tank to complete and double check cleaning operation. Speed of the cleaning cycle is hand-controlled separately from pressure or velocity of the cleaning fluids. In this way, cleaning cycle can be slowed down to longer periods of high-impact cleaning for the really tough jobs of residue removal. For easier cleaning jobs, the cycle is speeded up. Cleaning time is easily adjusted by a hand-operated, outside air valve.



Rotor Jet hook-up is a one-man operation. Spray nozzles scrub entire inside of tank quickly and safely

The hydraulic jet cleaning units operate on shop steam and cold water lines. A specially-designed mixing chamber and venturi-injector assembly provide high-pressure, temperature and volume. Scrubbing action results from a solid jet of very hot water propelled by the high pressure. Detergent can be used when needed. Force of the discharge carries the jet stream to effective cleaning distances of up-to- 30 ft. from the discharge nozzle. Even inaccessible parts are said to be cleaned without dismantling apparatus or scaffolding.

The cleaning units have no moving parts, require a minimum of servicing and repairs. They use no electricity or flammable fuel. Models are available for all types of cleaning operations.

DORMAN... name to remember in automotive copper tubing

"Spooltube"
50 and 100 feet

"dual-pancake coils"
25 and 50 foot

Heavy Duty Tubing
25 and 50 foot

No. 75 and No. 75A
14½" x 12" x 13"

U.S. Patent 2,841,343

Dorman soft-annealed, seamless bright copper tubing has a rust-free surface, high fatigue and wear resistance and greater ductility. *Dorman* is the *quality* tubing that is needed in every automotive service shop.

"SHOP-SIZE" DISPENSER

Save space and eliminate waste with this convenient Dispenser. No more broken packages and odd lengths.

Dorman Spooltube

Dorman "layer-wound" Copper Tubing on metal spools straightens as it uncoils . . . without kinks! Six sizes: 1/8" (100 ft. only); 1/2" (50 ft. only); 3/16", 1/4", 5/16" and 3/8" (50 ft. and 100 ft.) . . . marked every foot to simplify measuring.

"DUAL-PANCAKE COILS"

25 foot coils in nine sizes from 1/8" to 3/4". 50 foot coils in eight sizes from 1/8" to 5/8".

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For air brakes . . . 3/8", 1/2", 5/8" and 3/4" in 25 foot and 50 foot coils.

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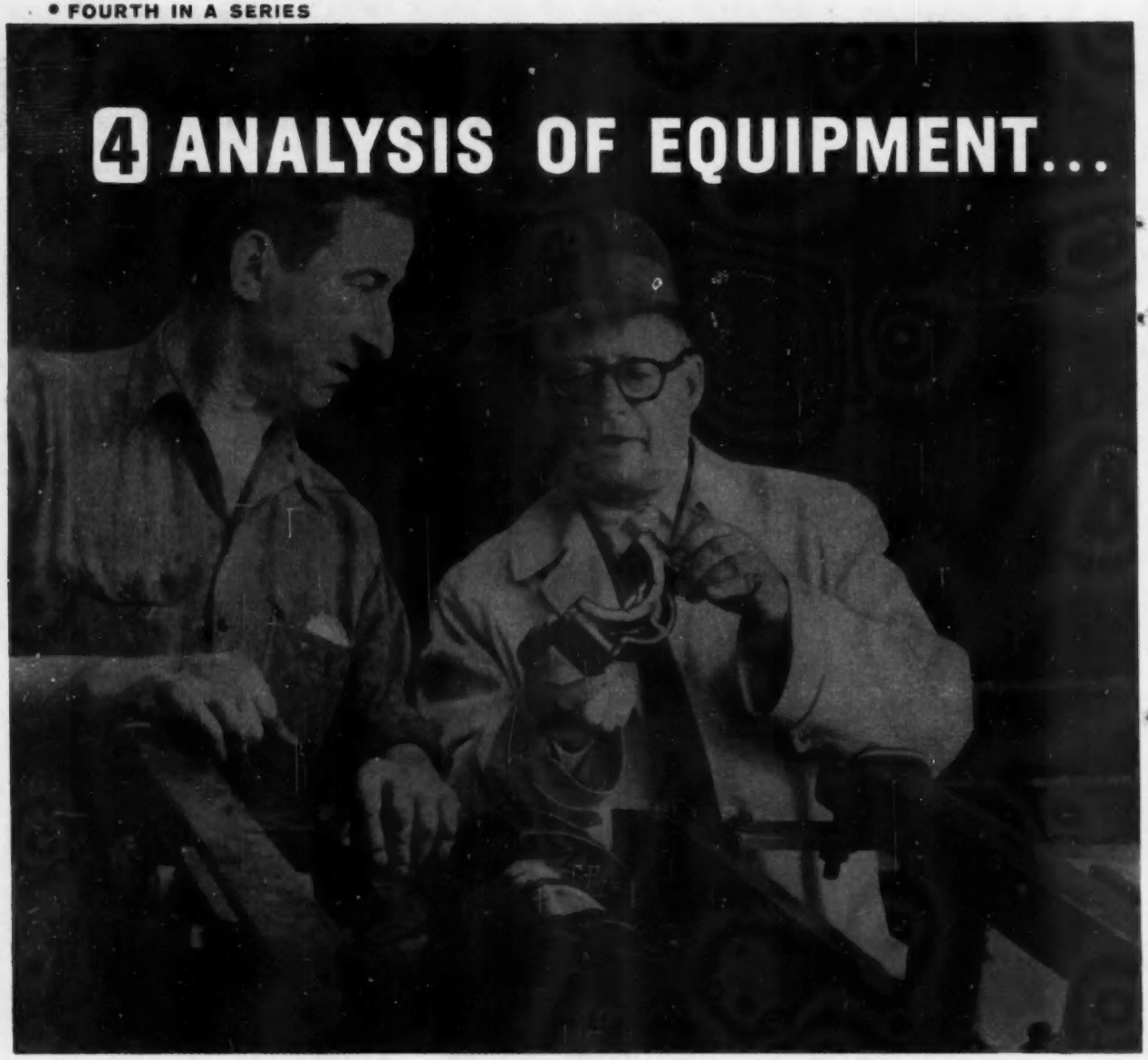

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More and more, the profits a fleet can realize are dependent on the costs involved in operating the fleet. The lower the operating costs, the greater the profits—and to help you cut costs to the bone, Mobil Program for Fleets is the most practicable approach yet devised.

The Mobil Program works in all five areas of fleet operation affected by petroleum products. To take just one example—Analysis of Equipment, Methods, Results—Mobil helps you save by continuing to look for ways and means of improving vehicle efficiencies. By studying operating conditions and checking their effects on costs and productivity, Mobil can recommend improvements and head off trouble. The end results:

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- Lower Maintenance Costs
- Less Frequent Engine Overhaul
- More Productivity per Vehicle
- Less Downtime
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These come about through technical assistance in depth—engineering service in the shop and at the terminal, used lubricant analysis, parts inspection and instrumentation. For the full story on how Mobil Program for Fleets can help you, call your Mobil Representative. Ask him for specific case history accounts. Or use the coupon below.

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Gentlemen: Please have the Mobil District Sales Manager in my area contact me about the benefits of a Mobil Program installation in my fleet.

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ICC revises Lighting Regs

Effective date becomes July 1, 1961

YEARLY LAST MONTH, Interstate Commerce Commission re-released its changes to the lighting requirements of its Safety Regs.

Originally issued Jan. 25, 1960 (May, page 105), the new order was released to the public Oct. 5, 1960. It bears an official date of Sept. 30, 1960.

Effective date, unless otherwise allowed for in the regulations, is July 1, 1961. Original effective date was Aug. 1, 1960, but the resulting storm of protest from fleet operators and equipment makers resulted in postponement until Nov. 15, 1960, pending the reconsideration and the resulting Sept. 30, 1960, order reviewed here.

American Trucking Assns. was quick to commend the revised rules as "sensible" and "workable," said it was pleased to give its "wholehearted support" to the new order.

Changes from the Jan. 25, 1960, include dropping the controversial "voltage drop" requirement, more leeway in mounting of identification lamps especially on cabs not over 42 in. wide, inclusion of converter dollies, easing of driveway-towaway requirements, extension in time for converting to Class A turn signals for vehicles under 80 in. wide, postponed dates for having SAE designation marked on lamps and reflectors, elimination of need for stop light operation on trailer in case of a breakaway.

Changes included in the new Sept. 30, 1960, order are given below together with a guide to the correct text of other Sections:

Part 192

Secs. 192.1 through 192.14—Not changed by Jan. 25 or Sept. 30, 1960, order.

Sec. 192-15—Changed by Jan. 25, 1960, order. See March, page 105 for text.

Secs. 192.20 and 192.21—Not changed by Jan. 25 or Sept. 30, 1960, order.

Secs. 192.22 and 192.23—Changed by Jan. 25, 1960, order. See March, pages 106 and 107 for text.

Secs. 192.24 through 192.68—Not changed by Jan. 25 or Sept. 30, 1960, order.

"We get safer brakes and less drum wear with WORLD BESTOS Red Block Combination"

—says Mr. S. H. Mitchell, President of HENNIS FREIGHT LINES, Winston-Salem, North Carolina

WORLD BESTOS
Red Block Combination
—the only heavy duty brake blocks with an unconditional
NO-FADE GUARANTEE
(heat or water)

• HENNIS operates 1300 tractor and trailer units covering 14 Southern, Eastern and Midwestern states. Mr. Mitchell states: "We have used World Bestos brake blocks for nearly 15 years and our fine safety record shows how *right* we have been in this choice. Thanks to cooler-running RED BLOCK Combination, our drivers are never troubled by fading brakes . . . and our drum replacement costs are consistently low. The fact that we get *safer brakes* with *less drum wear* convinces me that World Bestos RED BLOCK gives the fleet operator *more for his money* than any other brake blocks on the market".

Profit by the experience of Hennis Freight Lines. Call your World Bestos Distributor or write direct to the factory for full information about World Bestos RED BLOCK.

WORLD BESTOS NEW CASTLE, INDIANA
WORLD'S FINEST BRAKE LINING

Part 193

Secs. 193.1 and 193.2—Not changed by Jan. 25 or Sept. 30, 1960, order.

Sec. 193.11—Changed by Jan. 25, 1960, order. See March, page 107 for text.

Sec. 193.12—Lamps and reflectors, large buses and trucks. Every bus or truck 80 inches or more in overall width shall be equipped as follows:

(a) On the front, at least two head lamps, an equal number at each side; two turn signals, one at each side; two clearance lamps, one at each side; three identification lamps, mounted on the vertical center line of the vehicle except that where the cab is not more than 42 inches wide at the front roof line, a single lamp at the center of the cab shall be deemed to comply with the requirement for identification lamps. No part of the identification lamps or their mountings may extend below the top of the vehicle windshield.

(b) On the rear, two tail lamps, one at each side; two stop lamps, one at each side; two turn signals, one at each side; two clearance lamps, one at each side; two reflectors, one at each side; three identification lamps, counted on the vertical center line of the vehicle, provided that the identification lamps need not be lighted if obscured by a vehicle towed by the truck.

(c) On each side, one side-marker lamp at or near the front, one side-marker lamp at or near the rear; one reflector at or near the front, and one reflector at or near the rear.

Sec. 193.13—Lamps and reflectors, truck-tractors. Every truck-tractor shall be equipped as follows:

(a) On the front, at least two head lamps, an equal number at each side; two clearance lamps, one at each side; two turn signals, one at each side; three identification lamps mounted on the center line of the vehicle, except that where the cab is not more than 42 inches wide at the front roof line, a single lamp at the center of the cab shall be deemed to comply with the requirement for identification lamps. No part of the identification lamps or their mountings may extend below the top of the vehicle windshield.

(b) On the rear, one tail lamp; one stop lamp; two reflectors, one at each side; and, unless the turn signals on the front are so constructed **(double faced)** and located as to be visible to passing drivers, two turn signals on the rear of the cab, one at each side.

Sec. 193.14—Lamps and reflectors, large semitrailers and full trailers. Every semitrailer or full trailer 80 inches or more in overall width, except converter dollies, shall be equipped as follows:

(a) On the front, two clearance lamps, one at each side;

(b) On the rear, two tail lamps, one at each side; two stop lamps, one at each side; two turn signals, one at each side; two clearance lamps, one at each side; two reflectors, one at each side; three identification lamps, mounted on the vertical center line of the vehicle, provided that the identification lamps need not be lighted if obscured by another vehicle in the same combination;

(c) On each side, one side-marker lamp at or near the front; one side-marker lamp at or near the rear; one reflector at or near the front; one reflector at or near the rear; and, in case of semitrailers and full trailers 30 feet or more in length, **at least one additional** side-marker lamp at optional height and at least one additional reflector, the additional side-marker lamp (or lamps) and reflector (or reflectors) to be at or near the center or at approximately uniform spacing in the length of the vehicle.

(d) For the purposes of these regulations, a converter dolly is a motor vehicle with a fifth wheel lower half or equivalent mechanism, the attachment of which vehicle converts a semitrailer to a full trailer. Each dolly, when towed singly by another vehicle, and not as part of a full trailer, shall be equipped with one stop lamp, one tail lamp, and two reflectors on the rear. No lighting devices or reflectors are required on the front or sides of any dolly.

Secs. 193.15 and 193.16—Changed by Jan. 25, 1960, order. See March, page 112 for text.

Sec. 193.17—Lamps and reflectors, combinations in driveaway-towaway operations. Combinations of motor vehicles engaged in driveaway-towaway operations shall be equipped as follows:

(a) On the towing vehicle:

(1) On the front, at least two head lamps, an equal number at each side; two turn signals and two clearance lamps, one at each side;

(2) On each side and near the front, one side-marker lamp;

(3) On the rear, one tail lamp and one stop lamp;

(b) On the towed vehicle of a tow-bar combination, the towed vehicle of a single saddle-mount combination, and on the rear-most towed vehicle of a double saddle-mount combination, or on a vehicle full-mounted on a saddle-mounted vehicle:

(1) On each side and near the rear, one side-marker lamp;

(2) On the rear, one tail lamp, one stop lamp, two turn signals, two clearance lamps, and two reflectors, one at each side; and, if any vehicle in the combination is 80 inches or more in overall width, three identification lamps;

(TURN TO NEXT PAGE, PLEASE)

Lighting Regs

Continued from Page 363

(c) On the first saddle-mounted vehicle of a double saddle-mount combination;

(1) On each side and near the rear, one side-marker lamp.

Secs. 193.18 and 193.19—Changed by Jan. 25, 1960, order. See March, page 170 for text.

Sec. 193.20—Not changed by Jan. 25 or Sept. 30, 1960, order.

Sec. 193.21—Revoked by Jan. 25, 1960, order.

Sec. 193.22—Combinations of lighting devices and reflectors. Any two or more lighting devices and reflectors, whether required by these regulations or not, may be combined into one shell or housing, with exceptions enumerated below, and provided that the requirements for each required lighting device and reflector are with any head lamp or other lighting device

(1) No turn signal may be combined met and that neither the mounting nor the use of any non-required lighting device is inconsistent with these regulations in any respect: or combination of lighting devices capable of producing a greater intensity of light than the turn signal when the turn signal is operating.

(2) No turn signal may be combined with a stop lamp unless the arrangement of switches or other parts is such that the stop lamp as such is always extinguished when the turn signal is in use.

(3) No clearance lamp may be combined with any tail lamp or identification lamp.

Sec. 193.23—Not changed by Jan. 25 or Sept. 30, 1960, order.

Sec. 193.24—Changed by Jan. 25, 1960, order. See March, page 170 for text.

Note:—SAE Standards and SAE Recommended Practices referred to in the regulations are as follows: SAE Handbook, 1952 Edition, for parts and accessories other than lighting devices and reflectors and for lighting devices and reflectors on vehicles made before July 1, 1961, and for replacement lighting devices and reflectors specified in Secs. 193.25(c)(2) and 193.26 (b)(2). SAE Handbook, 1959 Edition, as supplemented by SAE Pamphlet No. TR-34, March 1959, for lighting devices and reflectors on vehicles made after July 1, 1961, and for replacement lighting devices and reflectors specified in Secs. 193.25(c)(2) and 193.26(b)(2). The Society of Automotive Engineers (485 Lexington Ave., New York 17, N. Y.) reports the TR-34 pamphlet is no longer available, but its recommendations are incorporated in the SAE Handbook, 1960 Edition.

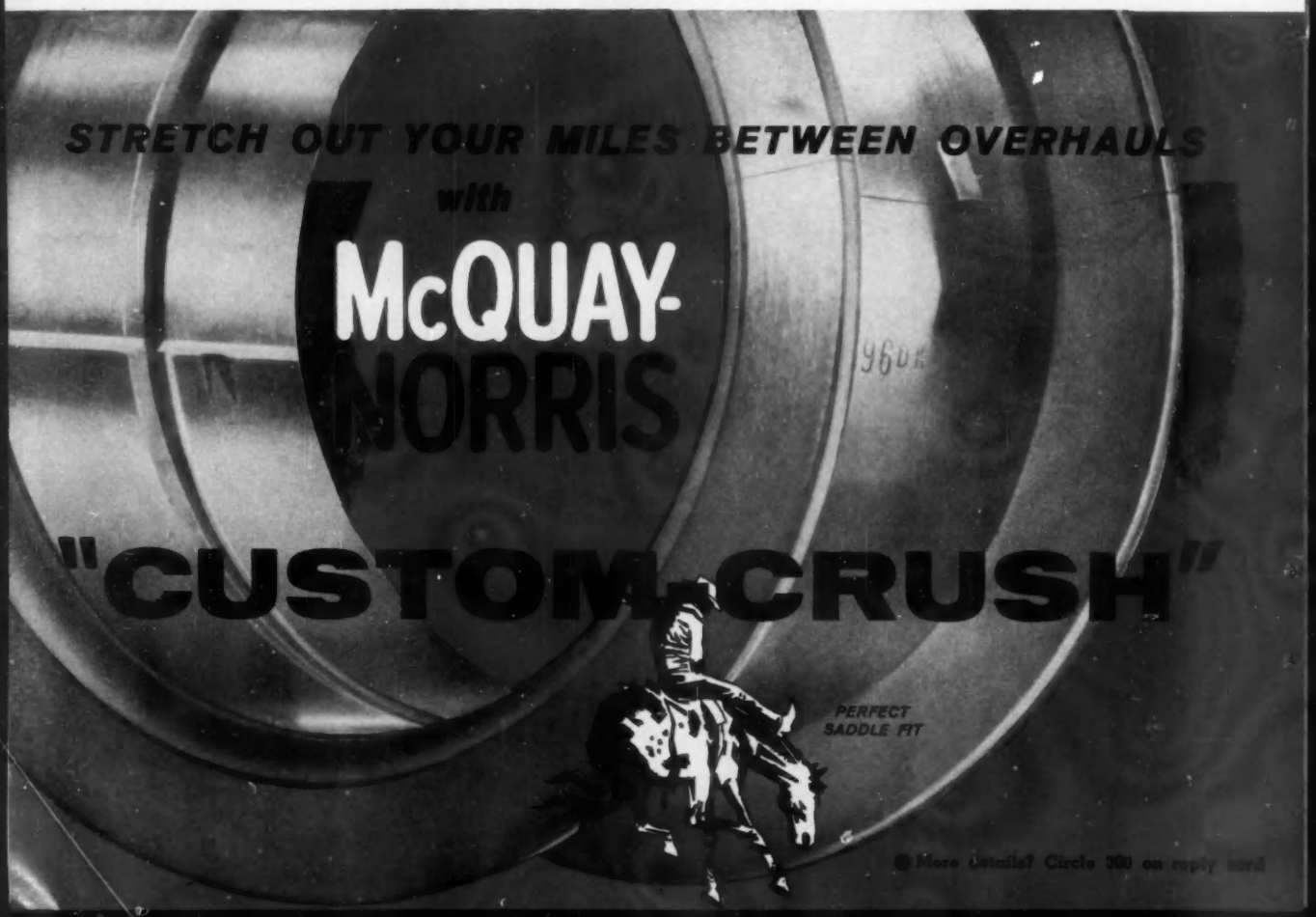
Sec. 193.25—Requirements for lamps other than head lamps.

(a) Mounting. All lamps shall be permanently and securely mounted in workmanlike manner on a permanent part of the motor vehicle, except that temporary lamps on motor vehicles being transported in driveaway-towaway operations and temporary electric lamps on projecting loads need not be permanently mounted nor mounted on a permanent part of the vehicle. The requirements for three identification lamps on the center line of a vehicle will be met as to location by one lamp on the center line, with the other two at right and left. All temporary lamps must be firmly attached.

(b) Visibility. All required exterior lamps shall be so mounted as to be capable of being seen at all distances between 500 feet and 50 feet under clear atmospheric conditions during the time lamps are required to be lighted. The light from front clearance and front identification lamps shall be visible to the front, that from sidemarker lamps to the side, that from rear clearance, rear identification, and tail lamps to the rear, and that from projecting load-marker lamps from those directions required by Sec. 193.18. This shall not be construed to apply to lamps on one unit which are obscured by another unit of a combination of vehicles.

(c) Specifications. All required lamps except those already installed on vehicles tendered for transportation in driveaway and towaway operations shall conform to appropriate requirements of the SAE Standards and/or Recommended Practices as indicated below, except that the minimum required marking of lamps conforming to the 1959 requirements shall be as specified in paragraph (d) of this Section. Projecting load marker shall conform to the requirements for clearance, sidemarker, and identification lamps. Turn signals shall conform to the requirements for Class A, Type I turn signals, provided, however, that a bus or truck less than 80 inches in overall width, manufactured prior to the effective date of this order, if equipped with turn signals other than Class A, Type I, shall be deemed to comply with this requirement until December 31, 1962, after which date it shall be equipped with Class A, Type I turn signals.

(1) Lamps on vehicles made before July 1, 1961, excepting replacement lamps as specified in subparagraph (2) of this paragraph, shall conform to the 1952 requirements.



(2) Lamps on vehicles made on and after July 1, 1961, and replacement lamps installed on and after December 31, 1961, shall conform to the 1959 requirements.

(3) Lamps temporarily attached to vehicles transported in driveaway and towaway operations on and after December 31, 1961, shall conform to the 1959 requirements.

(d) Certification and markings. All lamps required to conform to the requirements of the 1959 SAE Standards shall be certified by the manufacturer or supplier that they do so conform, by markings indicated below. The markings in each case shall be visible when the lamp is in place on the vehicle.

(1) Stop lamps shall be marked with the manufacturer's or supplier's name or trade name and shall be marked "SAE-S."

(2) Turn signal units shall be marked with the manufacturer's or supplier's name or trade name and shall be marked "SAE-AI."

(3) Tail lamps shall be marked with the manufacturer's or supplier's name or trade name and shall be marked "SAE-T."

(4) Clearance, sidemarker, identification and projecting load-marker lamps shall be marked with the manufacturer's or supplier's name or trade name and shall be marked "SAE."

(5) Combination lamps shall be marked with the manufacturer's or supplier's name or trade name and shall be marked "SAE" followed by the appropriate letters indicating the individual lamps combined.

(e) Color. The color of exterior lighting devices not otherwise specified in these regulations shall be as follows:

(1) All front clearance and identification lamps, and all sidemarker lamps except those at or near the rear shall when lighted display an amber color;

(2) No lighted red lamp of any character shall be displayed at any place other than on the rear or on the sides near the rear, except that this prohibition shall not apply to any school bus when operating as such, to lamps on projecting loads as specified in Sec. 193.18, or to rear-facing lenses of turn signals;

(3) All rear clearance and identification lamps, the sidemarker lamps at or near the rear, and any other lamps mounted on the rear or on the sides near the rear shall when lighted display a red color except as specified by Secs. 193.16 and 193.18, and as permitted by paragraphs (4), (5), and (6) of this Section;

(4) The stop lamp or lamps, and the turn signals on or facing the rear of any motor vehicle shall be red, yellow, amber, or any shade of color between red and yellow; and the turn signals facing the front of any motor vehicle shall be white, amber, or any shade of color between white and amber;

(5) Back-up lamp or lamps showing white to amber to the rear may be mounted on the rear of any vehicle if such lamp or lamps can be lighted only when the vehicle is in reverse gear or when a pilot lamp readily visible to the driver is burning to indicate that such back-up lamp or lamps are lighted;

(6) White lamps may be used for the purpose of illuminating license plates on any vehicle or destination signs on busses;

(7) This Section shall not be so construed as to prohibit the use of motor vehicles in combination if such motor vehicles are severally lighted as required by Secs. 193.11 to 193.17 inclusive;

(8) Wherever reference is made in these regulations to the colors red, amber, or white, said colors shall be as prescribed in the SAE Standard "Color Specification for Electric Lamps."

(f) Lighting devices to be steady-burning. All exterior lighting devices shall be of the steady-burning type except turn signals on any vehicle, stop lamps when used as turn signals, warning lamps on school buses when operating as such, and warning lamps on emergency and service vehicles authorized by State or local authorities, and except that lamps combined into the same shell or housing with any turn signal may be turned off by the same switch that turns the signal on for flashing and turned on again when the turn signal as such is turned off. This paragraph shall not be construed to prohibit the use of turn signals to give vehicular traffic hazard warning signals as required by Secs. 192.22 and 192.23.

(g) Stop lamp operation. All stop lamps on each motor vehicle or combination of motor vehicles shall be actuated upon application of any of the service brakes, except that such actuation is not required upon activation of the emergency feature of trailer brakes by means of either manual or automatic control on the towing vehicle and except that stop lamps on a towing vehicle need not be actuated when service brakes are applied to the towed vehicle or vehicles only, and except that no stop lamp need be actuated as such when it is in use as a turn signal or when it is turned off by the turn signal switch as provided in paragraph (f) of this Section.

Sec. 193.26—Requirements for reflectors.

(a) Mounting. All required reflectors shall be mounted upon the motor vehicle at a height not less than 24 inches nor more than 60 inches above the ground on which the motor vehicle stands, except that reflectors shall be mounted as high as practicable on motor vehicles which are so constructed as to make compliance with the 24-inch requirement impractical. They shall be so installed

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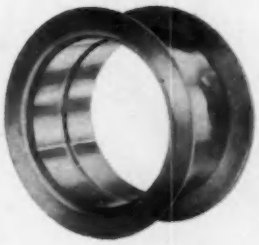

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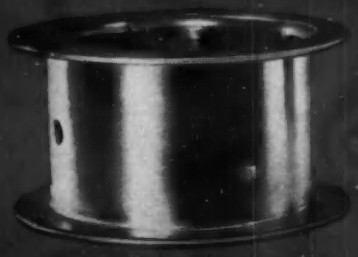

Lighting Regs

Continued from Page 365

as to perform their function adequately and reliably, and except for temporary reflectors required for vehicles in driveaway-towaway operations, or on projecting loads, all reflectors shall be permanently and securely mounted in workmanlike manner so as to provide the maximum of stability and the minimum likelihood of damage. Required reflectors otherwise properly mounted may be securely installed on flexible strapping or belting provided that under conditions of normal operation they reflect light in the required directions. Required temporary reflectors mounted on motor vehicles during the time they are in transit in any driveaway-towaway operation must be firmly attached.

(b) Specifications. All required reflectors except those already installed on vehicles tendered for transportation in driveaway and towaway operations shall conform to the requirements for Class A reflectors in the SAE Recommended Practice or SAE Standard "Reflex Reflectors," as indicated below, except that the minimum required marking of reflectors conforming to the 1959 requirements shall be as specified in paragraph (c) of this Section.

(1) Reflectors on vehicles made before July 1, 1961, excepting replacement reflectors as specified in subparagraph (2) of this paragraph, shall conform to the 1952 requirements.

(2) Reflectors on vehicles made on and after July 1, 1961, and replacement reflectors installed on and after December 31, 1961, shall conform to the 1959 requirements.

(3) Reflectors temporarily attached to vehicles transported in driveaway and towaway operations on and after December 31, 1961, shall conform to the 1959 requirements.

(c) Certification and markings. All reflectors required to conform to the requirements of the 1959 SAE Standard shall be certified by the manufacturer or supplier that they do so conform, by marking with the manufacturer's or supplier's name or trade name and the letters "SAE-A." The marking in each case shall be visible when the reflector is in place on the vehicle.

(d) Color. All reflectors on the rear and those nearest to the rear on the sides, except those referred to in paragraph (e) of this Section, shall reflect a red color; all other reflectors, except those referred to in paragraph (e) of this Section, shall reflect an amber color, provided that this requirement shall not be construed to prohibit the use of motor vehicles in combination if such motor vehicles are severally equipped with reflectors as required by Secs. 193.11 to 193.17, inclusive. Wherever reference is made to the colors red or amber for reflectors, such colors shall correspond to the requirements in the SAE Standard "Color Specification for Electric Lamps."

(e) Retroreflective surfaces. Retroreflective surfaces other than required reflectors may be used, provided:

(1) Designs do not resemble traffic control signs, lights, or devices, except that straight edge striping resembling a barricade pattern may be used.

(2) Designs do not tend to distort the length and/or width of the motor vehicle.

(3) Such surfaces shall be at least three inches from any required lamp or reflector unless of the same color as such lamp or reflector.

(4) No red color shall be used on the front of any motor vehicle.

(5) Retroreflective license plates required by State or local authorities may be used.

Sec. 193.27—Sept. 30, 1960, order restores wording as it was prior to the Jan. 25, 1960, order, as follows—Wiring specifications. Wiring for both low tension and high tension circuits shall be constructed and installed so as to function reliably and adequately and shall conform to the appropriate requirements in the SAE Standard for "Insulated Cable" (SAE Handbook, 1952 Edition) or by wiring which is mechanically and electrically at least equal to such cable. Required lamps shall be connected to the source of power with stranded wire. The source of power and the electrical wiring shall be of such size and characteristics that required lamps shall when lighted be capable of being seen at least 500 feet under clear atmospheric conditions during the time lamps are required to be lighted. This shall not be so construed as to prohibit the use of the frame or other metal parts of a motor vehicle as a return ground system provided for truck-tractor-semitrailer combinations, the truck-tractor is electrically bonded to the semitrailer.

Secs. 193.28 and 193.29—Not changed by Jan. 25 or Sept. 30, 1960, order.

Sec. 193.30—Changed by Jan. 25, 1960, order. See March, page 178 for text.

Secs. 193.31 through 193.33—Not changed by Jan. 25 or Sept. 30, 1960, order.

1960 Domestic Truck Factory Sales by GVW

Month	6,000 lb. and less	6,001-10,000 lb.	10,001-14,000 lb.	14,001-16,000 lb.	16,001-19,500 lb.	19,501-26,000 lb.	26,001-33,000 lb.	Over 33,000 lb.	Total
January	51,998	14,438	1,111	2,662	15,484	4,985	2,934	2,566	96,178
February	57,488	15,266	986	2,402	13,471	6,084	3,299	3,309	102,305
March	58,878	15,714	989	2,611	13,261	6,715	3,768	3,502	105,438
April	48,780	14,953	881	2,302	12,282	6,182	3,769	3,408	92,557
May	48,216	13,739	900	2,294	13,646	6,073	3,186	3,214	91,268
June	48,021	12,990	865	2,403	12,826	5,999	2,930	2,988	89,022
July	30,861	9,833	710	2,284	10,275	5,166	2,420	2,504	64,053
August	25,995	8,456	520	2,484	8,418	3,686	1,990	1,782	53,331
8 Mos.—1960	370,237	105,389	6,962	19,442	99,663	44,890	24,296	23,273	694,152
8 Mos.—1959	340,931	107,659	9,324	62,097	80,274	41,212	28,389	25,612	693,508

Source: Automobile Manufacturers Association.

November News Roundup

Transit Assn. meets

PHILADELPHIA — American Transit Assn. met here early last month, continued to explore ways of cutting transit costs and expanding transit revenuees. Egardo Contini, partner in the city planning firm of Victor Gruen Associates suggested that as property values go up a portion of the increased tax revenue be pledged to support financing of new public transportation. Further, he pointed out, it is fruitless for transit companies to plan ahead by themselves. Such planning must be a part of improving the whole urban environment.

Outgoing Association President W. E. P. Duncan also voiced this viewpoint, suggested to the bus operators present that they must show public officials, planners, merchants, real estate agents and other groups their responsibility for broad planning in the public transit field.

Association Executive Vice President George W. Anderson put his emphasis on three areas where immediate action would help. First, fare increases should be granted without delay when necessary to permit a reasonable profit. Second, transit properties should be relieved of outmoded taxes, some dating back "to the horsecar era." Third, traffic regulations (parking, bus lanes, bus stops, etc.) should be designed and enforced to facilitate public transit.

Atlanta Transit System President Robert L. Sommerville seconded the earlier views on transit planning but reminded the busmen that while not the whole story, the best way to plan for future passengers is to take care of present riders. He spoke of Atlanta's 34 new routes—mostly limited-stop express lines, rapid transit feeder routes and the away-in-the-future "Carveyor" system. Of this he said . . . .

"It is really no more than a refinement of the moving belt systems. Passengers would step onto a slowly moving belt and thence to the car which, as soon as it cleared the end of the station, would be accelerated up to 15 mph. At the next station by means of a deceleration device, the car would

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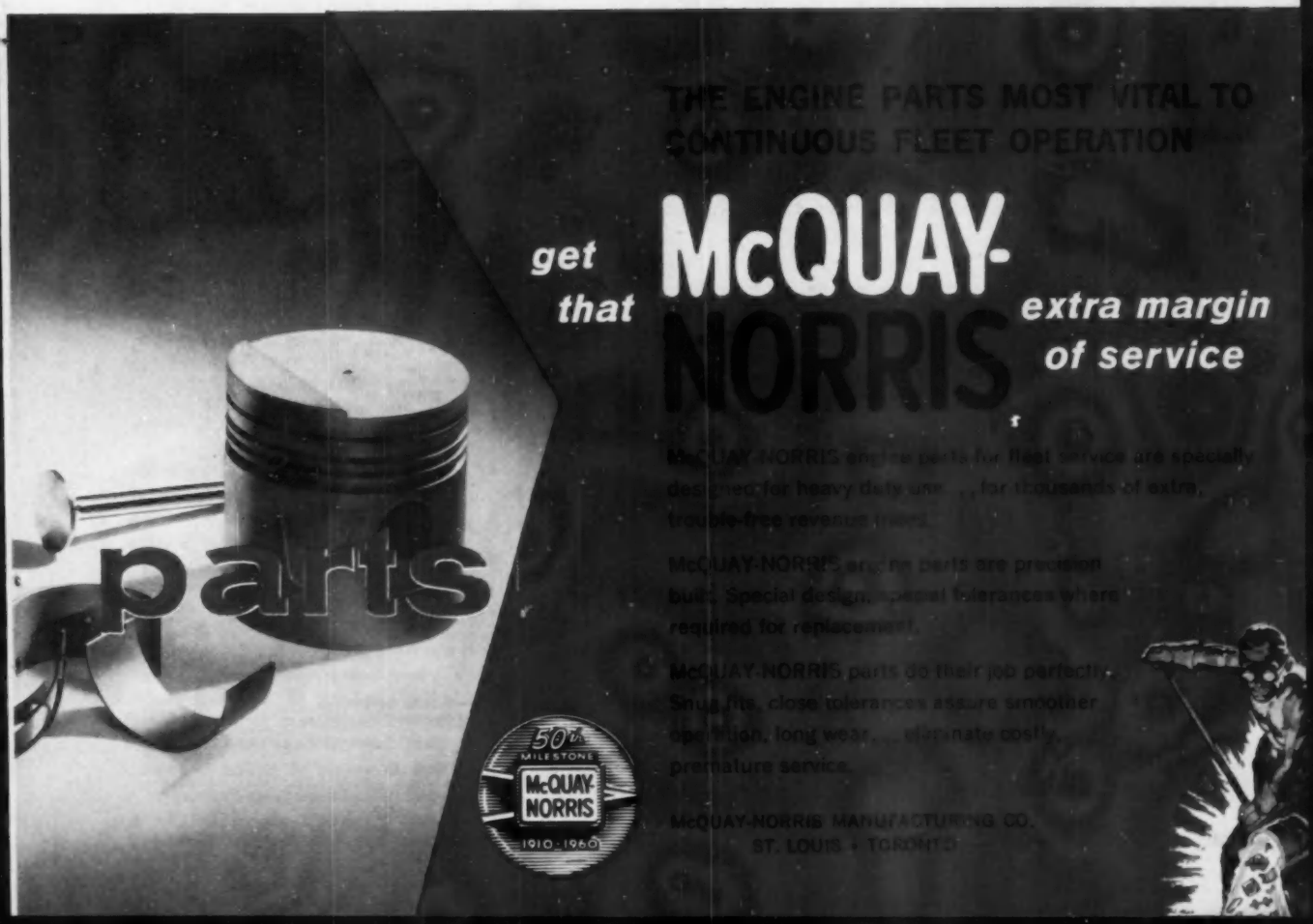

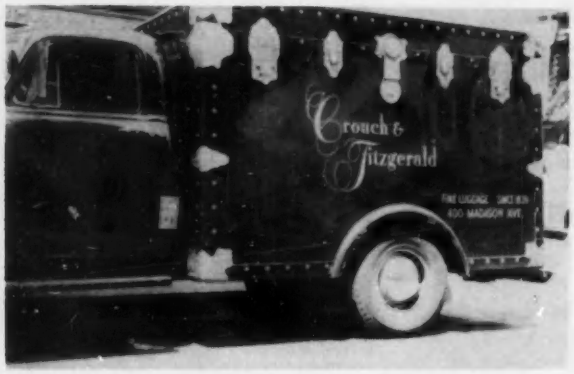

You CAN Take it With You!

There's no shortage of packing space in the "trunk" of this vehicle. Crouch & Fitzgerald, luggage makers, New York City, use this eye-catching truck. Seems like it's a "sure-fire" way to let people know their business, in a way they're not too likely to forget.

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SILV-O-LITE

Better Pistons Since 1922

Nov. News Roundup

Continued from page 367

be returned to its slow speed. The structure would be raised above the sidewalk at arcade level and the cars would operate in a weather-conditioned clear plastic tube."

Dr. William J. McKenna, professor of economics at Temple University in Philadelphia, advanced the argument

1960 Truck Trailer Shipments

Type of Trailer	July	Eight Months
Vans		
Insulated and refrigerated	395	4,013
Steel	34	575
Aluminum	361	3,438
Furniture	93	1,611
Steel	67	1,407
Aluminum	26	204
All other closed-top	1,906	18,925
Steel	523	4,429
Aluminum	1,383	14,496
Open-top	215	2,044
Steel	43	572
Aluminum	172	1,472
Total—Vans	2,609	26,593
Tanks		
Non- and low-pressure		
Petroleum		
Carbon and alloy steel	73	1,066
Stainless steel	23	161
Aluminum	126	1,249
Total—Petroleum	222	2,496
Chemical, food, fluid solids	59	532
All other, incl. aircraft refuelers	30	934
High-Pressure (LPG), chemicals, etc.	22	240
Total—Tanks	333	4,202
Pole, pipe and logging		
Single axle	13	153
Tandem axle	35	622
Total	48	775
Platforms		
Racks, livestock and stake	28	297
Grain bodies, all types	46	870
Platforms (flats), all types	565	6,461
Total—Platforms	639	7,628
Low-bed heavy haulers	150	1,460
Dump trailers	123	1,124
All other trailers	240	2,451
Total—Complete Trailers	4,142	44,233
Dump trailer chassis	52	635
Trailer chassis only	327	2,251
Total—Trailers and Chassis	4,521	47,119
Detachable Van Bodies	323	2,390

Source: Industry Division, Bureau of the Census.

● More details? Circle 302 on reply card inside back cover

that transit companies should not be required to provide reduced-rate student fares. This, he says, makes the regular transit rider subsidize school transportation. This cost should be born, he feels, by all taxpayers in the school district.

Wilber E. Smith, assistant director of the American Municipal Assn., told the Association members that "urban transportation heads the list for federal scrutiny." Need for federal intervention, he says, "is . . . because local governments are already taxing themselves to their limits to provide services which the public demands."

Elected president of the Association at the close of the meeting was Edwin C. Houghton, president of National City Lines. New vice president is Frederick J. Johnson of Indianapolis Transit System and Louisville Transit. Re-elected treasurer was C. Frederick Rogge of Public Service Coordinated Transport. A. E. Savage of D. C. Transit System was elected chairman of aTa's Mechanical Division.

Safety Congress Meets

CHICAGO—National Safety Council's 1960 Safety Congress meeting here last month took a look ahead at "Space Age Safety." General conclusion: It will be no safer than any past age unless everybody works at making it safe. Said George V. Kieffer of General Motors' Fleet Section, "The foolproof or crashproof car is not imminent, and the hope for such will continue to be wishful thinking that only diverts attention from the urgent, primary need for better trained and better controlled drivers."

National Highway User Conference Director Arthur C. Butler told fleetmen that there's no future in fixed rail transport. The future will find more private automobiles and buses, and "we are faced with the need to raise our sights in finding space for these vehicles both for traveling and parking."

Frank P. Lowry, assistant managing director of the Auto Industries Highway Safety Committee, took a look at "Space Age Drivers." His prediction: ". . . not much better or worse than drivers are now." His recommendation: Keep up efforts to make accident prevention programs as effective as possible; incorporate sound, new ideas; keep your safety goals in mind and revise them as things change. If you do, he concludes, you need "have no fear regarding your 'Space Age Drivers'."

E. J. Buhner, speaking on "Fleet

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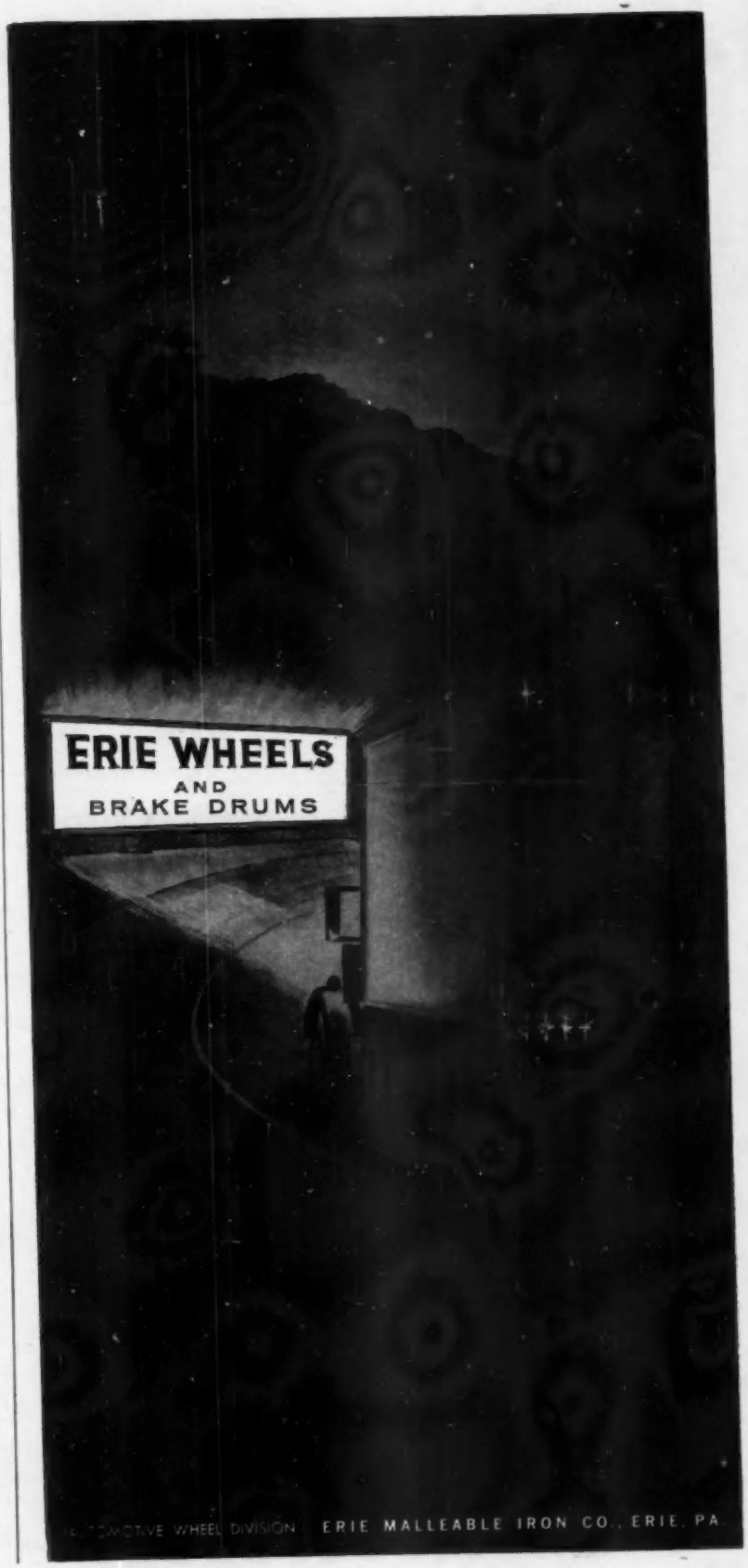

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Nov. News Roundup

Continued from page 369

Safety in the Space Age," predicted that safety will become an even greater major facet in future fleet operations, . . . and that the future "will create even stiffer safety requirements." His reason: The future economy of the country will demand more and more truck transportation increasing the need for greater safe operation. Buhner foresees a need for the fleet safety director to carry greater weight in the fleet management team.

New officers of NSC's Motor Transport Conference are Arthur J. Naquin (New Orleans Public Service)—chairman, John A. DePew (Dohrn Transfer) and Paul J. Fanning (San Francisco Public Utilities Commission)—vice chairmen. DePew is also chairman of NSC's Commercial Vehicle Section and Fanning of NSC's Transit Section. Elected NSC vice president to represent the Motor Transport Conference was Mark Robeson of Yellow Transit Freight Lines.

Conference Elections

NEW YORK CITY—Conference elections at the ATA annual convention held here last month are given below.

New Private Carrier Conference President is H. E. Manker of Proto Tool Co. W. L. Fayle of Burlington Industries becomes first vice president, and H. D. Carmichael of Standard Oil Co. (Ky.) becomes second vice president. Secretary is W. E. Givens of Ford Motor Co., with Walter Hastings of Gilman Paper Co. at treasurer.

Mike Murphy is new chairman of Regular Common Carrier Conference. A. E. Greene, Jr., of Johnson Freight Lines, O. B. English of Red Ball Motor Freight and E. W. Harlan of Bruce Motor Freight were elected first, second and third vice chairmen of the Conference respectively. Reelected treasurer was Alvin Hill of Illinois-California Express.

Re-elected chairman of Oilfield Carrier Conference was Ray A. Brown of Meadows Transfer. New vice chairman is Jack Cooper of Jack Cooper Transport. Elected secretary was J. F. Boone of A. G. Boone Co. and treasurer was J. Albert Kramer of Rabiger-Kramer, Inc.

Munitions Carriers Conference elected E. F. MacMillan as chairman. Conference president is Bennie Goldstein of Goldstein Transportation &

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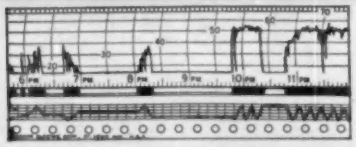
helps truck owners cut operating costs

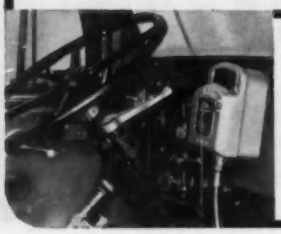


New WAGNER-SANGAMO

TACHOGRAPH

graphically records truck operations —up to 31 days—on single chart

This tamper-proof instrument provides a permanent graphic report of every run of each Tachograph-equipped truck. Recorded time of operation, duration of stops, speeds, and distances traveled give you valuable information . . . help you plan better routing, control speed, cut wasted time, and reduce truck operating costs. For details, mail the coupon.



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Classified Advertisement

BACK ISSUES WANTED

Back issues of COMMERCIAL CAR JOURNAL are wanted immediately for academic use. Will purchase in large or small quantities issues prior to 1959. Am especially interested in issues before 1945.

EUGENE BELLE
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Storage. Elected first vice president was Graeme Paxton of Constructors Transport with George F. Boyd of Tri-State Trucking second vice president. X. O. Bunch of Hughes Transportation becomes treasurer.

Re-elected chairman of Oilfied Haulers Conference was H. K. Speck of Atlas Truck Lines. Rodney Stewart of Fred Stewart Co. became vice chairman with James R. Boyd as secretary-treasurer. Chairman of the executive committee is J. E. Mankins of Eagle Trucking.

NTLS elects officers

CHICAGO—Frank Max, Jr., of Baltimore, Md., was re-elected president of National Truck Leasing System at the group's annual meeting held here recently. Nathan Katzman, New York City, was re-elected vice president. New secretary and treasurer are William C. Warren of Rochester, N. Y., and Carl Carson of Memphis, Tenn., respectively.

Wilson heads Industrial Relations

DETROIT—New chairman of ATA's Industrial Relations Committee is J. Robert Wilson of Roadway Express. He was elected at the recent annual meeting of the Committee held here. New vice chairmen are Alvin R. Holmes of Holmes Transportation Service and J. Albert Kramer of Rabiger-Kramer Co.

NATA elects Rentzel

DETROIT—Meeting here for its recent annual meeting, National Automobile Transporters Assn. elected D. W. Rentzel of Auto Transports as its chairman. Vice chairman is J. B.

(TURN TO NEXT PAGE, PLEASE)

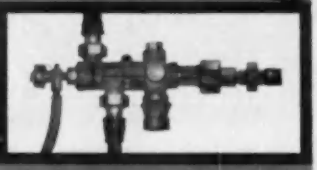
"Now, don't get pushy . . . wait'll I shovel here in front of the door, so you can get out!"

Clayton MODEL CS-628

Combination Steam and Hydraulic Cleaner

FOR ALL YOUR CLEANING REQUIREMENTS!

Clayton Fleximatic Squeeze-Grip Gun



Sellers Hydraulic Jet

The Clayton Model CS-628 is a superior *combination* heavy-duty steam and hydraulic jet cleaner, with efficiency and versatility unmatched by any other cleaning equipment. Ideal for all fleet owners' cleaning requirements.

Here's why:

- As a steam cleaner, the Model CS-628 delivers 280 gallons of high impact steam cleaning solution per hour. Clayton's new Fleximatic Gun Control permits the use of as little as 60 GPH to full capacity. Instant trigger response saves fuel . . . saves time . . . cleans better and faster.
- As a hydraulic jet cleaner, the Model CS-628 incorporates the Sellers Hydraulic Jet which provides a volume of water up to 600 GPH at pressures and temperatures up to 220 psi and 210°F. It provides effective cleaning for applications where steam vapor cleaning is not the entire answer.
- Efficient and economical . . . You save two ways with the Clayton Model CS-628 Cleaner: low initial cost and reduced operating expenses.

For more information, write today for Bulletin C-983.

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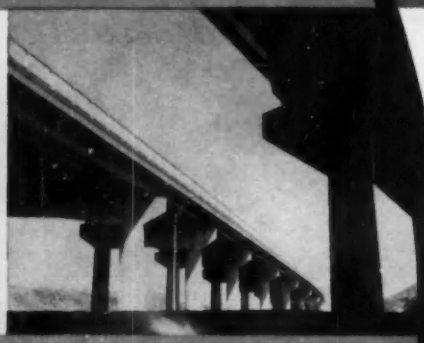

cut production costs...

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Appearance is improved, since the aluminum lockbolts* match the material being fastened. Joints are neat—there is no roughness or weld-splatter, no tool marks, no rust streaks after exposure to weather.

Lockbolts will not alter the mechanical values of the material being fastened, and their high tensile pre-load values are uniform. These two factors make design calculations simpler and more accurate.

Townsend aluminum lockbolts can lower your production costs, because operators with no special skill or training can make strong, uniform joints at high production rates. The setting guns are designed to eliminate the possibility of human error.

If you are fastening aluminum, investigate advantages of Townsend lockbolts. Write for Bulletin TL-101. Townsend Company, Engineered Fasteners Division, P. O. Box 71-JJ, Ellwood City, Pa.

*Licensed under Huck patents RE22,792; 2,114,493; 2,527,307; 2,531,048; 2,531,049 and 2,754,703

Townsend Company

ESTABLISHED 1916

Engineered Fasteners Division

ELLWOOD CITY · PENNSYLVANIA

Nov. News Roundup

Continued from page 371

Burnham of Arco Auto Carriers, secretary is L. W. Patterson of Motorcar Transport, and treasurer and ATA vice president is Lloyd Lawson of E & L Transport.

Eames heads license bureau

WASHINGTON, D. C. — Wendell G. Eames has been named director of the new National Register of Revoked Operators' Licenses (Sept., page 35). It's scheduled to be in operation in the latter part of next year. Address will be National Register of Revoked Operators' Licenses, Bureau of Public Roads, Dept. of Commerce, Washington 25, D. C.

Ryder moves into new office

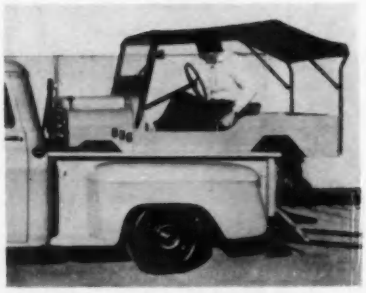
MIAMI, FLA.—Ryder System, Inc., moved its $1,600,000 headquarters building last month (see cover, Feb.). First office of the fleet is reported to have been the cab of a Model A Ford truck.

Volvo expands service

NEWARK, N. J.—Volvo's truck division located here recently completed

(TURN TO PAGE 377, PLEASE)

The "Bug"



The handy little vehicle shown riding in the back of a pick-up truck is the "Bug." The pint-sized jeep is made by Crofton Marine Engine Co., San Diego, Cal. It is 48 in. wide with an overall length of 105 in. on a 63-in. wheelbase. With its 4-cyl engine it can run at better than 50 mph while hauling half-ton payloads. It has leaf springs and hydraulic brakes. Can be used for towing, pick-up and delivery and service calls on-and-off-highway.

TEXACO

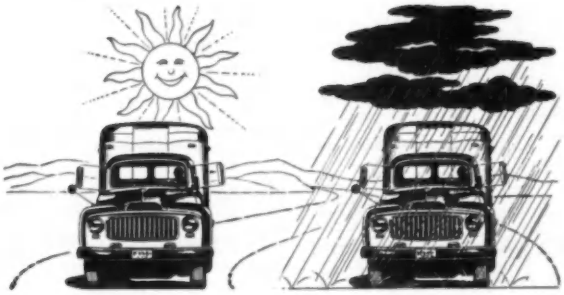
LUBE LOGIC

MONEY-SAVING IDEAS FOR AMERICA'S FLEETS

HEIGHT, HUMIDITY AND HORSEPOWER

Physicists explain why hills seem steeper when it's damp

Mechanics who are usually the best of friends sometimes fly at each other when it comes to deciding what weather does to engines. For instance! Is it true that engines run better in humid weather? Why does a truck bowl through plains states without trouble and gasp and strangle on high-altitude roads? Do cars use more gas when it's raining?

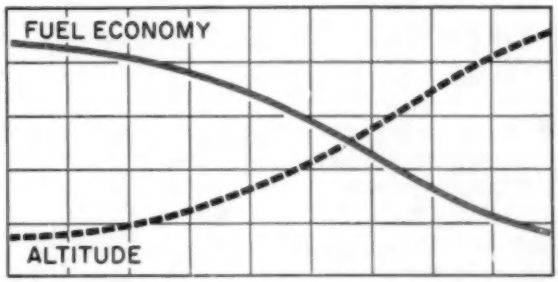


200HP 196HP

Good questions all, and here are some answers that engineers and physicists have turned up.

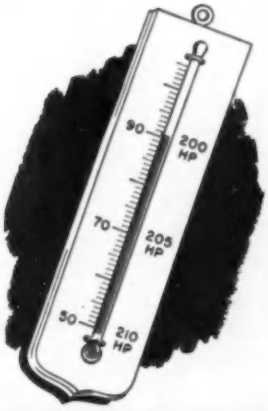
An engine rated at 200 horsepower will deliver 200 horsepower at sea level, in dry air, at a temperature of 60°F, SAE's "standard weather".

But at 100% humidity, the same engine will deliver only 196 hp, simply because the air that comes into the carburetor contains water vapor that crowds out some of the oxygen. However air moisture does decrease knocking tendency, thus contributing to engine smoothness and an overall impression of greater power.



Generally speaking, engine horsepower follows the barometer—up when the pressure is high, down when the pressure is low. The reason for this is that a climbing barometer indicates heavier air, so that, on a fine day, an engine gets more air to convert the fuel into power. At high altitudes engine power decreases because the air weight is lower.

Temperature is influential, too. A twenty degree drop in temperature will boost a 200-hp engine up to 205 hp. But, unlike power, economy drops with temperature, one of the reasons why fuel economy is better in summer than in winter.



ALSO IN THIS ISSUE:

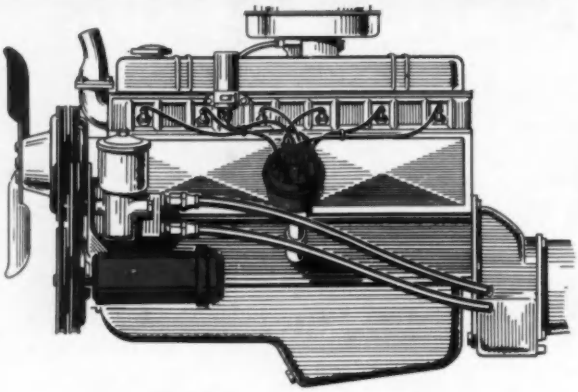
Trailin' the Mail With AL

4 clues for cutting cost-per-mile

HOW TO TEST ENGINE COMPRESSION PRESSURE

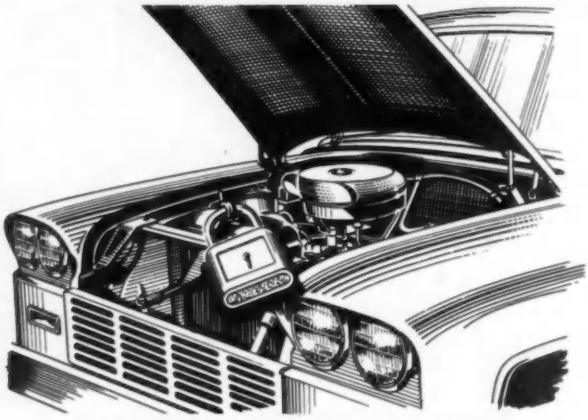
LUBE LOGIC

FOUR CLUES



LEST WE FORGET: GENERATORS AND DISTRIBUTORS NEED LUBRICATION, TOO

We'd be willing to bet that top honors for lube-points-most-likely-to-be-neglected go to the generator and distributor. Many symptoms that *seem* to indicate ignition problems can actually be traced to a sluggish distributor that didn't get lubricated in time. And a generator that's been neglected will start squealing and maybe seize and have to be replaced. Moral: generators and distributors will go a long way on a little lubrication, but make a point of checking them not later than every 4,000 miles.



POSITIVELY PERMANENT ANTIFREEZE?

We've been getting a lot of questions lately about switching to the new chemical positively permanent type antifreeze, particularly from fleet owners who operate their equipment in areas where high-mineral content water promotes early cooling system clogging. The good word from Texaco's Beacon research men is that you can get the same year-round protection—for less money—by using Texaco PT antifreeze and distilled water. Check with your local TAE before you stir up a batch on your own. He'll be glad to tell you what proportions of PT and distilled water are correct for your area.

Trailin' the Mail

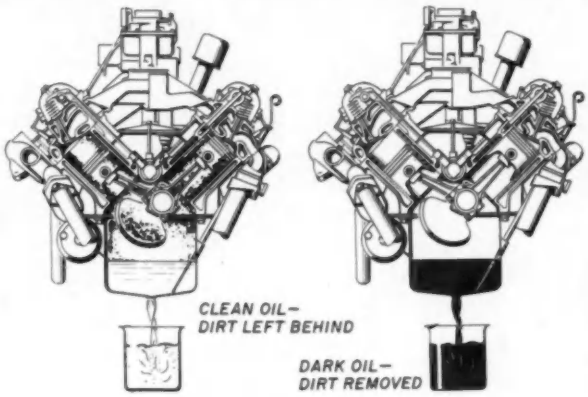
DEAR AL,
I've got a problem with a leaky radiator that nothing seems to solve. Engine heads and blocks are OK, no water shows up in the oil, and no excessive moisture in the exhaust. I checked the radiator, and it held nine pounds pressure for three minutes without any loss. I managed to relieve the problem a little by switching from a pressure-cap to a non-pressure cap, which cut water loss from a quart every 200 miles to a quart every 1000 miles, but that doesn't solve the problem, and it's still a nuisance.

R.S., Wilbur, Wash.

I know from experience how tough it can be to find a cooling system leak. The hole you're looking for is probably no bigger than a pin, and it's most probably in the radiator core or the car heater core. It'll be easier to locate if you fill up the cooling system and add some red or blue water-soluble dye, since the color will remain at the leak even if the water should evaporate before you spot it. When you're through you simply wash off the residual dye with water. Pressurize the cooling system with a radiator cap tester or a hand tire pump to about 15 pounds pressure (four or five strokes of the tire pump). Don't, under any circumstances, use the air hose for this purpose unless you're really disgusted and want to blow up the whole works. When you examine the radiator, pay particular attention to the points where the core meets the shell at the sides and the tanks at top and bottom. The leak will be just above each dye stain you find.

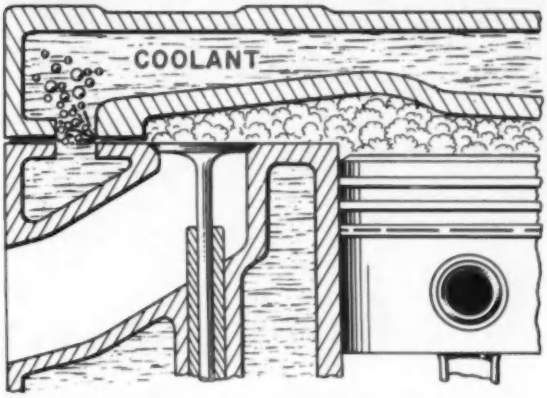
To fix the leak, drain the cooling system and plug each leaking cell thoroughly with a commercial plastic aluminum or "heatless solder". Make sure the plug covers the edges of the cell. Careful plugging of individual cells won't materially cut down on the cooling efficiency of the radiator; in fact, you may find some cells that were plugged with solder by the manufacturer. Once your plug-material has hardened you can refill your radiator and, with any luck at all, you're on your way.

FOR CUTTING COST-PER-MILE



DARK ENGINE OIL . . . SIGN OF A HARD WORKER

Here's a motor-oil misconception that's still common enough to need discussion. Some folks think that the better an engine oil is, the more likely it is to come out as clean as it went in. The truth of the matter is just the other way around. A good detergent-dispersant oil holds onto dirt like an old friend. It keeps dust, soot and carbon in suspension, and carries it out of the engine when you drain the oil. Oil that looks clean when you drain it from the crank-case is a sure sign that these contaminants are still inside the engine. Moral: oil that darkens with use is really doing its job.



CHECK CYLINDER HEAD JOINTS FOR CHRONIC OVERHEATING

If you've got a truck that continues to overheat even though you've checked out all the likely causes (slipping fan belt, leaks in pressure cap or radiator core) take a close look for a loose cylinder head joint. An opening here would be too small for coolant to leak into the engine, but plenty big enough to admit high-pressure exhaust gas into the coolant. Exhaust gas would push out a lot of coolant through the overflow pipe, and also contaminate whatever water remains. This contaminated water might become acid enough to do some real damage. A crack in the head or block would have the same effect.

with AL

★ Shoot in your puzzlers to "Trailin' the Mail with Al," at Texaco's Fleet Sales Division, 135 East 42nd Street, New York 17, N. Y. There's a real fine group at the Division – ready to serve every "on-wheels" fleet from coast to coast.

DEAR AL,
We have an 8-cylinder pickup that keeps burning up the spark plug on one cylinder. It's the same cylinder each time. New points and condenser didn't help. What do we do now?
W.M.D., Dillonvale, Ohio

It's most unusual to have one plug burn repeatedly when nothing seems to happen to the other plugs. Indications are that there's something wrong with the cylinder, not with the ignition system, which explains why you didn't get any improvement with new points and condenser. First off, make sure you're using the right plug—same stock number and heat range on all eight cylinders. Then check out some of these causes for one-plug burning:

1. Check the intake manifold to see if it's loose or warped, or if the gasket is leaky. Any one of these would let outside air into the cylinder, make the gasoline mixture too lean in that one cylinder. If this seems to be the problem, check the leak by idling the engine and putting a drop or two of gasoline at the point where the intake manifold meets the cylinder head. If the engine speeds up, it's clear that you're getting too much air and not enough gas in the cylinder.

2. Run a tap through spark plug port threads to clear out possible carbon accumulation.

3. Make sure the plug is in tight.

4. Check for old gaskets in the spark plug port. If there's more than one, replace them with a single new one.

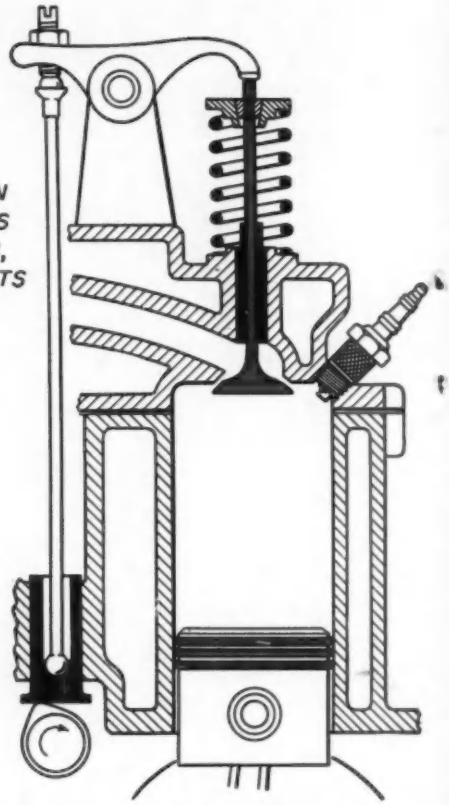
5. Flush the engine thoroughly. Cylinder head cooling passages around the spark plug base may be clogged with rust, mud or hard-water calcium deposits. Flushing might remove mud and loosen rust, but calcium deposits require careful treatment with inhibited acid.

DEAR AL,
Every week I service three trucks that do most of their hauling over rough roads at low speeds. Two of these trucks use EP 90 for differential lubrication, but the differentials run very hot. The third truck uses Texaco Thuban 90, and doesn't run as hot as the others. The trucker wants to know if he should switch to Thuban 90 on the other trucks.
S.R.T., Marathon, Texas

Trucks that are equipped with spiral bevel gears in the rear axle will perform very satisfactorily on a high-grade straight mineral oil like Thuban 90. But most trucks now use hypoid gear lubricants. If you put a straight mineral oil into one of these hypoid axles it would probably wreck the axle very quickly. Since you can't arbitrarily switch to straight mineral oil on the other trucks, double check to make sure they're getting the right viscosity for the climate and type of service they're in. I would expect your trucks to run pretty hot, which means that any differential lubricant would oxidize, and should be replaced regularly and frequently.

LUBE LOGIC

Short course on checking compression pressure



COMPRESSION TEST REVEALS WORN VALVES, RINGS, GASKETS

Tuning up an engine that has leaky valves, excessively worn rings or leaky cylinder-head gaskets is at best a short-term proposition even if you do manage to get it tuned up properly. And since the conditions we mentioned above eat up profits by cutting down performance, we'd like to show you how to find out if these conditions exist. Basic equipment is a pressure gauge, but there's a right way and a wrong way to use it. This is the way we like best.

1. Warm up the engine to operating temperature and remove the air cleaner. If the engine has mechanical valve lifters, valve lash should be adjusted to specifications before you go any further.

2. Block the automatic choke in the wide-open position so you get a full charge of air but no gasoline when you crank the engine.

3. Ground the primary wires of the coil so you don't get an unexpected charge through disconnected spark plug wires.

4. Disconnect all spark plug wires and remove the plugs.

5. Select the right size fitting for the gauge and screw the fitting into the spark plug port; attach the gauge.

6. Crank the engine with the starter; read and record the pressure.

7. Remove gauge from fitting, remove the fitting, and repeat the whole process with each cylinder.

8. Compare your readings with the values specified by the manufacturer.

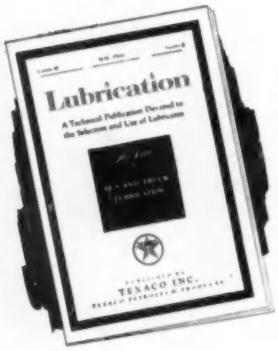
Here are some of the symptoms your readings may show, and what the symptoms mean:

1. Low compression in two adjacent cylinders probably indicates that the cylinder head gasket is blown or leaking and losing pressure between the cylinders.

2. Low compression pressure in one cylinder is usually ring trouble or valve trouble. To find out which, pour a tablespoonful of SAE 50 oil into the cylinder through the spark plug port, and retest compression pressure. If the pressure comes up almost to the specified value, it means you're losing compression past a worn piston ring which the spoonful of oil has temporarily sealed. If compression reading doesn't change appreciably after you've added the oil, leakage past the valves is indicated, or, possibly, through the cylinder head gasket.

FREE—FROM TEXACO

THE LOWDOWN ON BUS AND TRUCK LUBRICATION



The May issue of Texaco's *Lubrication* Magazine gives latest and most efficient ways to lubricate and operate trucks and buses. You can get your free copy simply by writing to Texaco Inc., Fleet Sales Division, 135 East 42nd Street, New York 17, N.Y., Department CCJ-100.

TEXACO AUTOMOTIVE ENGINEERS

Every month we'll bring you the latest "doings" in servicing and lubricating your trucks. We'll also bring you "sleepers," little angles, easy to overlook, where big savings in time and money can be made. But month in, month out, your local Texaco Automotive Engineer is the best source for money-saving lubrication ideas. Don't forget that "Lubrication is a major factor in cost control." Texaco Inc., *Fleet Sales Division*, 135 East 42nd Street, New York 17, N. Y.

TEXACO

Throughout the United States

Canada • Latin America • West Africa

Tune In: Texaco Huntley-Brinkley Report, Mon. Through Fri.-NBC-TV

Need Half-a-House?

Finest Mfg. Co., Leesburg, Fla., assembles these 680-sq ft ranch homes in halves at its plant. The 10-ft-wide, 6-ton halves are then hauled on trailers by two of the firm's Model No. B-130 International trucks to any site within 500 miles of the factory. The finished product (shown) is the result of bolting the two halves together and to the foundation. Interior fixtures are already in place. Only additions made at the site are the carport and covered-screen patio.

Nov. News Roundup

Continued from page 372

its second service training program. Mechanics from Miami, Fla., to New York City attended the sessions. Next move, reports Volvo, is to extend the program into Chicago and the midwest.

New laws affecting fleet operation are summarized here for use as a guide only. Check the exact wording through your state truck or bus association, or your state's motor vehicle department, to see how the law affects your operation.

New York—State Thruway Authority advises that the maximum lane width of the Black Rock Toll Barrier on the Thruway's Niagara Section in Buffalo is 10 ft. No special hauling permits can be issued by the Authority for any vehicle in excess of that width for travel through the barrier.

New York State Vehicle and Traffic Law requires that all commercial vehicles 80 in. or more in width have two Class A amber reflectors on the front. On front of commercial vehicles less than 80 in. wide, there must be two Class A or B amber reflectors. The reflectors must be placed on both tractors and trailers at points indicating extreme width.

Ohio — has authorized continuing

(TURN TO NEXT PAGE, PLEASE)

NOW
brand new design
K-D Saftee Lites
• Clearance • Marker • Identification
with K-D's Economical Quality Built-in

VISIBILITY 120° light spread . . . high candle power output. Exceeds SAE specifications . . . marked and certified as meeting ICC requirements.

DESIGN Completely new . . . rectangular lites, square and oblong . . . consistent with latest truck and trailer design. Die-cast base . . . provides for inside and outside wiring. Color-fast, non-craze plastic lens. Economical standard type bulbs designed for long life . . . filament operates at low temperature for mechanical strength.

RUSTLESS No gaskets to deteriorate. Engineered to disperse condensation . . . moisture gets out fast!

LABOR SAVING Easily installed . . . only two mounting holes . . . flush mounting . . . no sockets to protrude. Lens easily pries off and snaps on . . . no screws . . . lock compression latch.

Available shock mount lites . . . with cushioned bulbs to prolong life: KD X522 and KD X526.

THE COMPLETE LINE SAFTEE PRODUCTS

K-D LAMP COMPANY
1910 ELM ST., CINCINNATI 10, OHIO

The Complete Line Turn Signals, Truck Mirrors, Stop and Rear Lites, Reflectors, Clearance Marker Lites are representative of K-D's complete single-source-service of Automotive Saftee Products.

● More details? Circle 309 on reply card inside back cover

Nov. News Roundup

Continued from page 377

operation of tandem-trailer combinations in excess of 60 ft. in length on the Ohio Turnpike. Operation of such combinations will no longer be considered on trial basis, but remains subject to issuance of annual permits by the Turnpike Commission under same conditions which applied during the trial period.

Cleveland Transit System, Cleveland, Ohio, recently awarded 750 drivers for five to 13 years of driving without a chargeable accident.

Winston-Salem City Coach Lines, Winston-Salem, N. C., announced that 16 of the company's bus operators have received National Safety Council awards for safe driving records of one to five years.

Central Truck Lines, Tampa, Fla., honored 41 drivers from various company terminals for flawless-driving records ranging from one to 17 years.

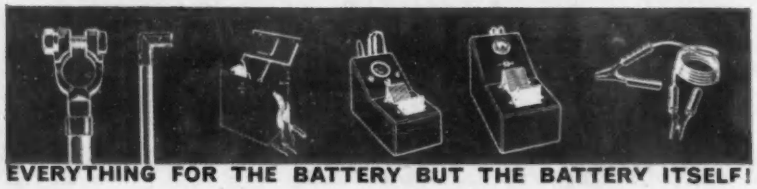
Commercial Carriers, Inc., Detroit, recently paid tribute and presented awards to 439 drivers who have completed from one to 17 years of driving without a chargeable accident.

Bell Transportation Co., Houston, Texas, announced that 18 of its drivers were recently awarded safety certificates for safe driving by the Oil Field Haulers Council of Safety Supervisors. Awards were issued for records of from one to ten years of driving without accident or cargo damage.

J. W. Cartage Co., Milwaukee, Wis., placed first among road fleets with total mileage over three-million miles in the annual fleet safety contest sponsored by the Safety Division, Wisconsin Motor Vehicle Dept. **Barry Transfer & Storage Co.,** Milwaukee, took first place for fleets with between one and three-million miles.

THE ALL-NEW SILVER BEAUTY MODEL 200 CHARGER IS BIG AND BRAWNY—DESIGNED TO HANDLE THE DEMANDS OF TODAY'S DRIVERS FOR FASTER AND BETTER SERVICE

Most practical charger you've ever seen. "Penthouse" contains meters and controls where they are easy to read and protected from weather and bumps. Fully automatic—can't overcharge. Rates: 100 amps for 6v—60 amps for 12v. And look—no tangles! Cables disappear inside roomy cabinet. Unconditionally guaranteed. *Triple-A Specialty Company, Chicago.*



EVERYTHING FOR THE BATTERY BUT THE BATTERY ITSELF!

● More details? Circle 310 on reply card inside back cover

Central Soya Co., Fort Wayne, Ind. —seven new Model No. BC225D diesel tractors from International Harvester Co., Chicago, for its Chattanooga, Tenn., plant. Powered by Cummins Model No. NHE195 diesel engines, the tractors have 5-speed transmissions and 2-speed rear axles.
More details? Circle 476 on reply card

Union Carbide Plastics Co., New York City —850 shipping containers from Budd Co., Philadelphia. The boxes are 8 ft. wide, 8 ft. high and 30 ft. long with 50,000-lb capacity. They're designed to carry dry chemicals in powdered or pellet form. Loading is through a roof hatch, unloading through bottom openings at one end.
More details? Circle 477 on reply card

Transamerican Freight Lines, Detroit—25 new Model No. 5462TDP tandem pusher diesel-powered tractors from White Motor Co., Cleveland, Ohio. Units feature fiberglass sleeper cab on a 13,780-lb chassis. Engine

(TURN TO PAGE 382, PLEASE)

"I've got to get maximum load and maximum fuel mileage to make a profit out of hauling liquid sugar, and nothing on the road beats Volvo on these points."

The 4-cycle Volvo diesel engine has a very low fuel consumption due to toroidal type combustion chamber and the precision metering multiple unit direct injection system. At the rated 95 to 195 SAE horsepower output, the Volvo diesel engine is smokeless and operates at a noise level below other diesels. Even with power take-off and at low torque and rpm., the 5-speed, synchronized Volvo transmissions also assure noiseless operation. Drivers experience other unusual comforts with a Volvo truck: no vibration during idling . . . a smooth stable ride . . . the cab has roominess, good visibility, springy deluxe driver seat. All Volvo truck units are built with traditional high-quality Swedish workmanship to deliver reliable long service life with surprisingly low maintenance costs.

If you operate tanks up to 68,000 GCW—see how much more Volvo will save you before you buy any truck.

For information write: Volvo Import, Inc., Truck Div., 357 Wilson Ave., Newark 5, N. J.

Trucks • Passenger Cars
Marine & Industrial Engines
Farm Tractors

"VOLVO BEATS 'EM ALL! THESE DIESEL TRUCKS ARE SMOKELESS, SILENT AND EASY ON FUEL!"

Joe Lodato, Independent Owner-Operator of Hoboken, New Jersey

VOLVO

HOW MANY BILLION MILES... PROVE WHEEL SUPERIORITY

NATIONWIDE SERVICE

AKRON—Motor Rim Manufacturers Co.
ALBANY—Wheels Incorporated
ALBUQUERQUE—Wheels & Brakes, Inc.
ALTOONA—Wheel & Rim Sales Co.
ATLANTA—John A. Harris & Son, Inc.
BALTIMORE—Standard Wheel & Rim Co.
BIRMINGHAM—Wheel, Rim & Parts Co.
BOSTON—New England Wheel & Rim Co.
BUFFALO—Frey, the Wheelman, Inc.
CEDAR RAPIDS—Des Moines Wheel & Rim Co.
CHARLOTTE—Carolina Rim & Wheel Co.
CHICAGO—Stone Wheel, Inc.
CINCINNATI—Rim & Wheel Service, Inc.
CLEVELAND—Motor Rim Manufacturers Co.
COLUMBUS—Hayes Wheel & Spring Service
DALLAS—Southwest Wheel, Inc.
DAVENPORT—Stone Wheel & Rim Co.
DAYTON—Rim & Wheel Service, Inc.
DENVER—Quinn & McGill Motor Supply Co.
DES MOINES—Des Moines Wheel & Rim Co.
DETROIT—H. & H. Wheel Service, Inc.
EVANSVILLE—Auto Wheel & Rim Co., Inc.
FARGO—Wheel Service Company
FORT WAYNE—Wheel & Rim Sales Co.
GRAND RAPIDS—Rim & Wheel Service Co.
HAMMOND—Stone Wheel, Inc.
HARRISBURG—Standard Wheel & Rim Co.
HARTFORD—Connecticut Wheel & Rim Co.
HOUSTON—Southwest Wheel, Inc.
INDIANAPOLIS—Indiana Wheel & Rim Co.
JACKSONVILLE—Southeast Wheel & Rim Co.
KANSAS CITY—Borbein, Young & Co.
KNOXVILLE—John A. Harris & Son, Inc.
LANCASTER—Standard Wheel & Rim Co.
LOS ANGELES—Wheel Industries, Inc.
LOUISVILLE—Auto Wheel & Rim Service
LUBBOCK—Southwest Wheel, Inc.
MEMPHIS—Beller Wheel, Brake & Supply Co.
MILWAUKEE—Wisconsin Wheel & Rim Co.
MOLINE—Mutual Wheel Co.
NASHVILLE—Beller Wheel, Brake & Supply Co.
NEWARK—Automotive Safety Inc.
NEW HAVEN—Connecticut Wheel & Rim Co.
NEW ORLEANS—Southern Wheel & Rim Co.

CONSIDER THE FACTS. Last year, *alone*, Budd wheels rolled more than *100 billion* miles on every type of road and highway. That's a tremendous number of miles . . . and real proof of Budd wheel superiority. But *that* was only *one* year . . . and Budd wheels have been performance proven for more than *forty years* in the toughest laboratory of all—*on highways throughout the world.* It adds up to unequalled experience in the manufacture of truly superior quality, precision manufactured steel wheels for every kind of truck, trailer, bus and off-the-highway application. Don't be misled by claims or appearances. There are other types of wheels that *look* like Budd wheels . . . that are often referred to as Budd-*type* wheels . . . but *no* wheel in production today can match Budd's record of proven performance. So, ride with the leader—use Budd wheels and genuine Budd wheel parts . . . *the perfect combination for greater economy in the long run!* **Always specify Budd . . . by part number.**
The BUDD COMPANY • Detroit 15.

Be sure to get a copy of the Budd Wheel Manual "Maintenance is Not Magic" —an important profit-saving guide to trouble-free operation.

THE BEST WHEELS ARE BUILT BY AUTOMOTIVE Budd DIVISION

NEW YORK—Wheels Incorporated
OKLAHOMA CITY—Southwest Wheel, Inc.
OMAHA—Morgan Wheel & Equipment Co., Inc.
OMAHA—Omaha Rim & Wheel Co.
PEORIA—Peoria Wheel & Rim Co.
PHILADELPHIA—Kay Wheel Sales Co.
PHILADELPHIA—Thomas Wheel & Rim Co., Inc.
PITTSBURGH—Wheel & Rim Service
PORTLAND—Six Robblees', Inc.
PROVIDENCE—New England Wheel & Rim Co.
RALEIGH—Carolina Rim & Wheel Co.
RICHMOND—Dixie Wheel Co., Inc.
ROCHESTER—Frey, the Wheelman, Inc.
SALT LAKE CITY—Henderson Rim & Wheel Service
SAN ANTONIO—Southwest Wheel, Inc.
SAN FRANCISCO—Wheel Industries, Inc.
SAVANNAH—Southwest Wheel & Rim Co., Inc.
SEATTLE—Six Robblees', Inc.
SOUTH BEND—Wheel & Rim Sales Co.
SPOKANE—Bearing & Rim Supply Co.
SPRINGFIELD, ILL.—Illinois Wheel & Brake Co.
SPRINGFIELD, MO.—Borbein, Young & Co.
ST. LOUIS—Borbein, Young & Co.
ST. PAUL—Wheel Service Co.
SYRACUSE—Wheels Incorporated
TACOMA—Six Robblees', Inc.
TOLEDO—Wheel & Rim Sales Co.
VINELAND—Kay Wheel Sales Co.
WICHITA—Borbein, Young & Co.
WINSTON-SALEM—United-Automotive Service

EXPORT
CLEVELAND, OHIO—C. O. Brandes, Inc. 4900 Euclid Avenue

CANADA
CALGARY—Mutual Supplies, Ltd.
EDMONTON—Alberta Wheel Distributors, Ltd.
MONTREAL—Auto Wheels & Supplies, Ltd.
REGINA—Brakes & Wheels, Ltd.
TORONTO—Wheel & Rim Co. of Canada, Ltd.
VANCOUVER—Wheels & Equipment, Ltd.
WINNIPEG—Ft. Garry Tire & Auto Supplies, Ltd.

● More details? Circle 222 on reply card inside back cover

Christening

This Trailmobile Model No. C-64 trailer was recently christened as the 25th of these units to be added to the fleet of Liebmann Breweries, Brooklyn, N. Y. Emily Banks, "Miss Rheingold—1960" performed the honors. The 36-ft, aluminum and steel, external-post units are used to haul Rheingold beer from the Brooklyn brewery to distribution points throughout New York and New Jersey where it is transferred for city delivery.

Nov. News Roundup

Continued from page 378

is a 220-hp Cummins NH220 diesel used with 10-speed transmission. Rear pusher tandem axle has drive axle in rearmost position with belt drive to the pusher axle. Wheelbase is 133 in. to the midpoint between rear axles, with CA dimension of 80 in. to the same midpoint.
More details? Circle 478 on reply card

Ryder Truck Rental Co., St. Louis, Mo.—35 new Ford Model No. T350 multi-stop delivery units with fiberglass bodies from General Body Co., Kansas City, Mo. The new trucks have integral cabs and bodies and weigh only 5800 lb.
More details? Circle 479 on reply card

U. S. Post Office Dept., Washington, D. C. —an additional 800 "Jeep" Fleetvan trucks (see page 110, Aug. issue) for a total of 4010 units now included in the initial order placed with Willys Motors, Inc., Toledo, Ohio. With wheelbase of 80 in. and overall length of 133 in. the vehicles are easily maneuvered in city traffic and easy to park.
More details? Circle 480 on reply card

Isbrandtsen Shipping Co., New York City—24 display containers from Grum man Aircraft Engineering Corp., Bethpage, Long Island, N. Y. The 20 x 8 x 8-ft aluminum units are specially engineered boxes which open on the sides for displaying goods which are to be shown in world ports as part of the Isbrandtsen Mobile Trade Fair.
More details? Circle 481 on reply card

Post Office Dept., Washington, D. C. —120 "Fleetliner" trailers from Dorsey Trailer Co., Elba, Ala. The single-

(TURN TO PAGE 386, PLEASE)

● More details? Circle 314 on reply card inside back cover

Safe Delivery... *on Schedule!*

● Your trucks will roll this winter . . . safely . . . and on schedule . . . when equipped with NAPCO ELSTON Sanders.

Just flip a switch . . . and a stream of traction-giving grit drops in front of each drive wheel. Tires dig in . . . your truck rolls on . . . safely . . . *and right on time!*

Prevents Accidents. By providing lightning-fast traction when it's needed, the NAPCO ELSTON Sander helps your trucks up icy hills, through dangerous intersections, and around slippery curves.

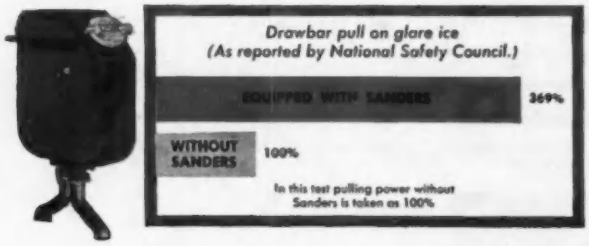
This additional roadbite helps prevent dangerous skids and reduces stopping distances up to 40% on icy highways. This often gives your drivers the margin they need to avoid serious and costly accidents.

Keeps Them Moving. If you have "must-go" vehicles, NAPCO ELSTON Sanders will help you maintain strict schedules despite snow, sleet, or ice. Fewer hours are lost from trucks being stopped or slowed by icy highways . . . by putting on or taking off chains . . . or in repairing damaged equipment. *And those hours cost you money!*

Inexpensive. A NAPCO ELSTON Sander costs less than the price and maintenance of chains, but unlike chains, it's built to last a lifetime.

You'll be surprised how little it will cost to equip your fleet . . . or how much it may save you. Write today for full information.

NAPCO ELSTON SANDERS



More details? Circle 315 on reply card

NAPCO Industries, Inc.
Minneapolis 11, Minnesota
Attention: Director of Marketing

☐ Please send more information on NAPCO ELSTON Sanders for Trucks and Buses

☐ Please send name of nearest NAPCO Distributor

NAME _____

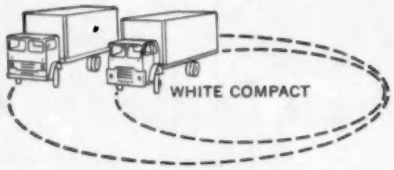
FIRM _____

ADDRESS _____

CITY _____ ZONE _____ STATE _____

NEW!

sensational WHITE "COMPACT" runs circles *inside* any other truck or tractor



Imagine a turning circle that's eight feet smaller than other cab-over-engine trucks, eleven feet smaller than other tractor-trailers!

A completely new concept in design gives the WHITE COMPACT unmatched maneuverability and compactness.

Engineered to slash high costs of pickup and delivery in heavy traffic. Gets in and out of congested terminals and loading docks with ease. Nothing else like it for "peddle" runs, piggyback operations, shifting trailers in yards.

Both the truck and tractor models have extremely short wheelbases, sensational wheel cut of approximately fifty degrees, wide-track front axle, short bumper-to-back-of-cab dimensions, heavy front-axle loading, extremely low weight on drive axle, power-packed Super Mustang engines.

All are combined in the new WHITE COMPACT models to carry more payload in relation to their over-all length, *to make more money at every turn.*

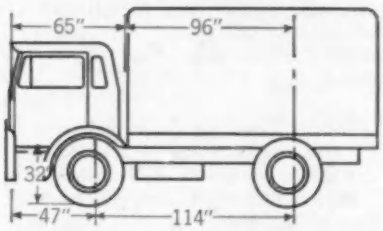
Torsion-bar tilt-cab. Picture-window visibility all around. Low cab-floor and step-height, and wide doors with

piano hinges, let driver step in and out of cab fast. Excellent riding and steering. "Corners" beautifully.

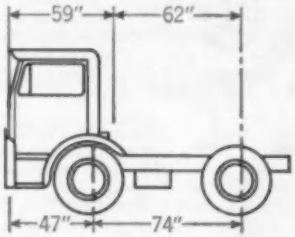
See the amazing new WHITE 1500 COMPACT series for yourself. Check *all* the unique ways it can give you a *competitive edge* in *your* business.

THE WHITE MOTOR COMPANY
CLEVELAND 1, OHIO

Branches, distributors, dealers in all principal cities



Model 1500 Compact truck permits a two-foot longer body on any given wheelbase—128 cu. ft. more payload capacity!



Model 1500T Compact tractor has 59" cab dimension, is ideal for handling trailers in all tight-squeeze situations.

WORLD LEADER IN HEAVY DUTY TRUCKS ...60 YEARS OF LEADERSHIP

WHITE

● More details? Circle 316 on reply card inside back cover

. . . and for

NEARBY SERVICE on Black & Decker tools.

Black & Decker maintains 50 factory service branches plus authorized service stations to give your B&D tools the attention mechanical products need periodically. Keep your B&D tools in top condition, on the job all the time.

Only factory parts and factory-approved methods are used. Fast service and reasonable cost, always.

SWIFTY SERVICE says be sure to ask about:

FREE TOOL INSPECTION no cost, no obligation.

STANDARD B&D GUARANTEE after completion of all recommended repair work.

You'll find the location of the nearest B&D repair facility in the Yellow Pages under "Tools-Electric," or write for address to: THE BLACK & DECKER MFG. CO., Dept. 5411-S, Towson 4, Md.

50th YEAR

See Tools-Electric -Yellow Pages-for Service & Sales

Black & Decker

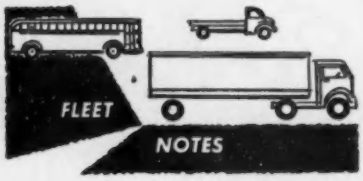
Quality Tool Service

More details? Circle 317 on reply card

Nov. News Roundup

Continued from page 382

axle units range in length from 20 to 35 ft. They're for mail-delivery use in major cities throughout the U. S. **More details? Circle 482 on reply card**



Clement Bros., Inc., Portland, Me., announced that its new truck maintenance terminal in that city is scheduled for completion this month. Equipment in the new facility includes a dynamometer for servicing the fleet's 42 units which handle supermarket deliveries througout Maine, New Hampshire and Vermont.

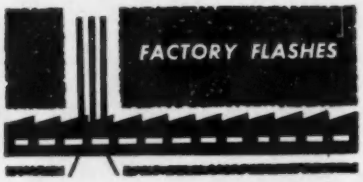
New York City Transit Authority recently opened a $2-million bus garage in the Fresh Pond district of Queens. It replaces the old Bergen Street and West Fifth Street depots, is serving Brooklyn and Queens bus routes. The facility is said to be capable of taking in a bus at the end of its run and completely servicing it in 3½ min. Service includes fuel, water, tires, interior vacuuming and exterior scrubbing.

Ryder Truck Lines, Inc., Miami, Fla., is now serving as official air freight cartage operator in the Miami area for all scheduled domestic airlines and Pan American World Airways. Ryder is operating a new fleet of two-way radio equipped trucks for the new partnership. In addition to the Fleet's Miami present terminal facilities, Ryder plans to establish a warehouse at Miami International Airport under supervision of **David Blakeney.**

Willett Trucking Co., Chicago, announced that **Howard L. Willett, Jr.**, company president, has been reelected to the Executive Committee, Governing Board of the National Truck Leasing System.

Greyhound Corp. recently acquired the 49 per cent minority interest in Richmond-Greyhound Lines, Inc., Richmond, Va., held by Richmond, Fredericksburg and Potomac RR. All Greyhound bus operations in the U S are now owned and operated directly by the Greyhound Corp.

Watson Bros. Transportation Co., Omaha, Neb., has named **Robert Fischer** as vice president in charge of equipment and maintenance.



Pure Oil Co., Chicago, has announced plans to build a service plaza for motorists at the intersection of Interstate Highway 71 and Ohio Route 97, five miles south of Mansfield, Ohio. It will offer eating, sleeping and vehicle service facilities for both passenger and truck traffic. The new Pure station is scheduled for completion later this year.

Betts Machine Co., Warren, Pa., makers of Warren "Snap Seal" safety lamps, announces that natural rubber is now used in the manufacture of its socket contact grommets. This is said to provide better resilience and weather resistance.

Challenge-Cook Bros., Inc., Los Angeles, Cal., announced that it has acquired exclusive manufacturing and distributing rights to the "Straddle Trailer" (July, '59, page 140).

American Motors Sales Corp. is engaged in an expansion program to provide 22 parts depots throughout the country. Aim is to give 24-hr parts service to Rambler owners. New warehouses opened during the past year are in St. Louis, Mo., Milwaukee, Wis., Pittsburgh, Pa., Buffalo, N. Y., Cincinnati, Ohio, and Jacksonville, Fla. Another is scheduled to open in Washington, D. C., in Jan. '61.

J. H. Williams Co., Buffalo, N. Y. announced the formation of a new automotive division. **Vulcan Tool Co.**, Buffalo, will maintain separate facilities from the Williams Co. to manufacture and market an extensive line of automotive repair and service tools and related equipment under the trade name "Vulcan." John J. Hope has been appointed general manager of the new company.

that has the GUTS to prove its maintenance costs peanuts!

Take an Impact Wrench that's built with extra ruggedness clear through. Take a Factory Service Branch network that keeps accurate repair records. Result: *proof positive* that Black & Decker Impact Wrenches have a phenomenally low maintenance cost.

No other Impact Wrench approaches the Black & Decker because no other Impact Wrench can match the power, speed and maintenance-free construction of a Black & Decker. From drive spindle to reversing ring, every part has been designed to eliminate breakdown problems.

Wherever a bolt must be spun—in motor, drive-line or body work, wheel changes, and general maintenance—a Black & Decker Impact Wrench does the job faster, with less fatigue, for more profit. Mail the coupon or call your Black & Decker jobber for a free demonstration. You can put one to work for . . .

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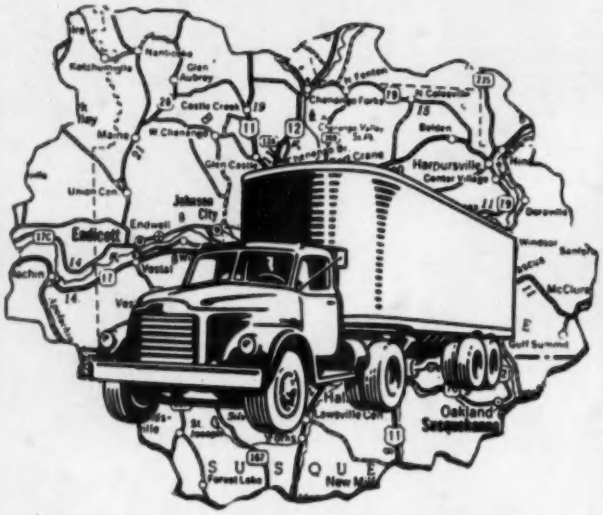
City ..... Zone ..... State .....

☐ Belt Sanders ☐ Polishers ☐ Valve Refacers ☐ Drills

More details? Circle 318 on reply card

Do the auxiliary fuel tanks on your trucks meet every safety requirement?



WHEN YOU SPECIFY SNYDER TANKS YOU'RE ABSOLUTELY SURE THEY DO BECAUSE ONLY SNYDER . . .

- **PICKLES ALL STEEL** to remove mill scale abrasives. And Snyder vacuums and magnetically cleans each tank to ensure safe, dirt-free operation.
- **FOG SPRAYS EACH TANK'S INTERIOR** to prevent rust.
- **FLANGES ALL TANK HEADS** to give extra insurance against rupture from impact. Ribbed bottoms and bossed heads strengthen and stiffen all flat bottom tanks to better withstand road shock.
- **MACHINES TOP OF FILLER NECK** to guarantee positive gasket seating of cap eliminating fill cap leakage. Ball check vent in top of tank provides full ventage.
- **SUBMERGES EVERY TANK IN WATER** and pressurizes with air to test for and correct leaks. After this test, every tank is visually inspected before shipment.
- **MAINTAINS COMPLETE TANK RESEARCH AND TEST FACILITIES.** Snyder, pioneer in safety tank design, continues to lead the field with tanks custom engineered and designed to meet the most rigid standards, provide economical efficient fuel supply, and incorporate *all* safety features.
- **AVAILABLE IN STEEL OR ALUMINUM** No matter what make and model truck you want to fit, no matter what style and capacity tank you desire, Snyder's trained sales engineers and Engineering Department are available to assist you. And each Snyder Tank is designed, built and tested to the highest quality standard in the industry. You can rely on them.

For safety, satisfaction and service, be sure to:
ALWAYS SPECIFY SNYDER

Snyder Tank
CORPORATION
P. O. BOX 14, BUFFALO 5, N. Y.

● More details? Circle 319 on reply card inside back cover

This Auto Tire Won't Tire!

Truck tires disguised as passenger-car tires are tested by 2½ tons of football players from Barberton, Ohio, High School. The tire, said to be the first of its kind in the rubber industry, was developed by Seiberling Rubber Co., Akron, Ohio, for station wagons and other light vehicles that carry heavy loads.

State Safety Award for Coastal Tank Lines

Coastal Tank Lines, Inc., York, Pa., was recently awarded with traffic safety certificates by Pennsylvania Governor David L. Lawrence. The citation was in recognition of the fleet's performance in winning top honors in the Pennsylvania Motor Truck Assn. 1959 truck fleet safety contest.

Safety Awards Go to N. C. Motor Carriers

Thirty awards were presented to trucking companies at the recent annual session of the North Carolina Motor Carriers Assn. Council of Safety & Personnel Supervisors. Top award for 1960, the "State Truck Safety Trophy," went to Burlington Industries, Inc., Transportation Div.

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LOW COST

AUTOMATIC BUS AND TRUCK WASHER

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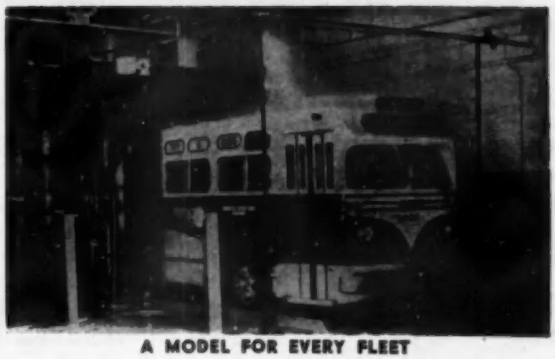

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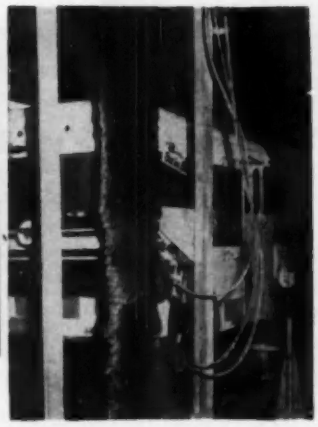
WE BUILD AN AUTOMATIC WASHER TAILORED TO YOUR FLEET REGARDLESS OF SIZE

WASH TOP AND BACK AUTOMATICALLY

FIXED BRUSHES—MOD. 100

CONVENTIONAL CHASSIS



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INDEX TO ADVERTISERS

This Advertisers' Index is published as a convenience and not as part of the advertising contract. Every care will be taken to index correctly. No allowance will be made for errors or failure to insert.

A

Acme Equipment Co. 389
AC Spark Plug Electronics Div. G.M. 102-103, 270
Agency: D. P. Brother & Co.
Albertson & Co., Inc. 237, 263-264
Agency: Stevenson & Asso.
ALC Co. 352
Agency: Leonell: Advg. Agency
Allied Automotive Parts Co. 23
Agency: Caidwell, Larkin & Sidener-Van Riper, Inc.
Aluminum Co. of America 278-279
Agency: Fuller & Smith & Ross Inc.
American Chain & Cable Co. 40
Agency: Reincke, Meyer & Finn, Inc.
American Metals Products Co. 14
Agency: Roland G. Spedden Advg. Agency
American Motors Corp. 242
Agency: Geyer Advg.
American Oil Co. 179
Agency: Joseph Katz Co.
American Steel Foundries 30-31
Agency: Erwin Wasey, Ruthrauff & Ryan, Inc.
Armco Steel Corp. 321
Agency: Marsteller, Rickard, Gebhardt & Reed Inc.
Arrow Safety Device Co. 8, 12
Agency: Atlantic Industrial Publ. Inc.
Auto Lamp Mfg. Co. 139
Agency: Burlingame-Grossman Advg.
Auto Specialties Mfg. Co. ..... 3rd Cover
Agency: Paxson Advg. Inc.

B

Bacharach Industrial Instrument Co. .. 352
Agency: W. S. Hill Co.
Barber Glass & Mfg. Co. 206
Barrett Equipment Co. 223
Agency: Research & Institute Advg. Inc.
Bartlett Trailer Corp. 187
Agency: Camilla Advg.
Beam Products Mfg. Co. 339
Agency: Chas. H. Mayne Co.
Bekaert Steel Wire Corp. 113
Agency: Aitkin-Kynett Co.
Belden Mfg. Co. 311
Agency: Fensholt Advg. Agency Inc.
Bendix Corp.
Marshall Eclipse Div. 46
Products Div. 107
Agency: MacManus, John & Adams Inc.
Bendix Westinghouse Automotive Air Brake Co. 333-334
Agency: MacManus, John & Adams Inc.
Bishman Mfg. Co. 339
Agency: Keystone Advg. Inc.
Black & Decker Mfg Co. 386-387
Agency: Van Sant, Dugdale & Co.
Bosch Corp., Robert 42
Agency: E. T. Howard Co., Inc.
Bostrom Corp. 164-165
Agency: Buchen Co.
Boyertown Auto Body Works Inc. ... 17
Agency: Jay J. Dugan
Branick Products Co. 241, 326
Agency: Manufacturers' Advg. Agency
Breeze Corp., Inc. 141
Agency: Adams & Keyes Inc.
Brockway Motor Trucks 73
Agency: Barlow Advg.
Brown Trailer Div. Clark Equip. Co. 128-129
Agency: Marsteller, Rickard, Gebhardt & Reed, Inc.
Budd Company 380-381
Agency: Aitkin-Kynett Co.
Bumpers Inc. 345
Agency: Dix & Eaton Inc.
Burruss Land & Lumber Co., Inc. .. 244, 345
Burton Auto Spring Corp. 45
Agency: Allan Marin & Associates Inc.

C

Campbell Chain Co. 357
Agency: Aitkin-Kynett Inc.
Cedar Rapids Engineering Co. 235
Agency: W. D. Lyon Co., Inc.
Century Gas Equipment Co. 172
Agency: Setco Advg. Co.
Champion Bronze Powder & Paint Co., Inc. 370
Agency: Holtzman-Kain Advg.
Champion Spark Plug Co. 266-267
Agency: J. Walter Thompson Co.
Chemstrand Corp. 303
Agency: Doyle, Dane, Bernbach Inc.
Chevrolet Div. G.M. .. 133 thru 137, 274-275
Agency: Campbell-Ewald Co.
Chicago Rawhide Mfg. Co. 127
Agency: Waldie & Briggs Inc.
Chrysler Motors Corp. (Mopar Div.) .. 109
Agency: N. W. Ayer & Son
Classified Advertisement 370
Clayton Mfg. Co. 208
Dynamometer Div., Agency: Franklin Associates
Clayton Mfg. Co., Steam Cleaner Div. .. 371
Agency: Heintz & Co., Inc.
Clevite Service Div. 121
Agency: Duffy, McClure & Wilder
Cole Hersee Co. 343
Agency: S. Gunnar Myrbeck & Co., Inc.
Commercial Car Journal 284-285
Consolidated General Products Inc. ... 337
Agency: Fozell & Jacobs Inc.
Continental Motor Corp. 310
Agency: Hopkins Agency

D

Delco Remy Div. 232-233
Agency: Campbell-Ewald Co.
Detroit Automotive Products Corp. .. 342
Agency: Dudgeon, Taylor & Bruske Inc.
Detroit Diesel Engine Div. 58-59
Agency: Kudner Agency Inc.
DeVilbiss Co. 119
Agency: Ross Roy, B S F & D Inc.
Diamond T Trucks 189
Agency: Roche, Rickerd & Cleary Inc.
Dietz Co., R. E. 215
Agency: Barlow Advertising
Ditzler Color Div. Pittsburgh Plate Glass Co. 183
Agency: Maxon Inc.
Divco-Wayne Corp. 248, 286-287
Agency: Larue Cleveland Inc.
Dodge Truck Div. Chrysler Corp. ... 66-67
Agency: Batten, Barton, Durstine & Osborn Inc.
Do-Ray Lamp Co. Inc. 197
Agency: Shaffer, Lazarus & Lashay Inc.
Dorman Products Inc. 359
Agency: Associated Advg.
Dorsey Trailers 354-355
Agency: Morris Timbes Advg. Inc.
du Pont de Nemours & Co. ..... 297 thru 300
Agency: Batten, Barton, Durstine & Osborn, Inc.

E

Eaton Mfg. Co.
Axle Div. 29
Agency: Clark & Bobertz, Inc.
Eberhard Mfg. Co. 20
Agency: Ball Advg.
Echlin Mfg. Co. 117
Agency: Humbert & Jones, Inc.
Eis Automotive Corp. 213
Agency: Furman Co., Inc.
Engler Instrument Co. 336
Agency: Ray Ellis Advg.
Enjay Chemical Div., Humble Oil & Refining Co. 15
Agency: McCann-Erickson Inc.
Erie Malleable Iron Co. 369
Agency: John Harder Fenstermacher
Esso Standard Div., Humble Oil & Refining Co. 173
Agency: McCann-Erickson Inc.
Evans Products Co. 323
Agency: J. Walter Thompson Co.
Everhot Mfg. Co. 310

F

F & B Mfg. Co. 288
Agency: Hanson & Stevens Inc.
Federal-Mogul Bower Bearings Inc.
Bower Div. 43
Engine Bearings 75
Agency: Ross Roy, Brooke, Smith, French & Dorrance, Inc.
Fitzgerald Mfg. Co. 175
Agency: Wilson, Welch & Grover Inc.
Ford Motor Co.
Fleets Div. 214
Parts & Service Div. 38-39
Trucks Div. 160-161
Agency: J. Walter Thompson Co.
Forklift Parts Mfg. Co. 351
Agency: Richard T. Parker, Advg.
Fram Corp. 125
Agency: McCann-Marschalk Div., McCann-Erickson, Inc.
Fruehauf Trailer Co. 177
Agency: Allman Co., Inc.
Fuller Mfg. Co. 162-163
Agency: Curtiss, Quinlan, Keene & Peck, Inc.

G

Gates Rubber Co., Tire Div. 207
Agency: Harold Walter Clark, Inc.
Gates Rubber Co., Trandmatic Div. .. 169
Agency: Galen E. Broyles Co., Inc.
GMC Div. General Motors Corp. ..... 85 thru 100
Agency: McCann-Erickson Inc.
Gledhill Road Machinery Co. 370
Agency: Chapel, Pellizzi Advg.
Globe Hoist Co. 196
Agency: Eldridge Co.
Goodrich Tire Co., B. F. 238-239
Agency: Griswold-Eshleman Co.
Goodyear Tire & Rubber Co.
Metal Products Div. 26-27
Truck Tire Dept. 18-19
Agency: Kudner Agency, Inc.
Grey-Rock Div. Raybestos-Manhattan, Inc. 21
Agency: Gray & Rogers
Grote Mfg. Co. 198
Agency: Richard F. Peck Agency
Gulf Oil Corp. 282-283
Agency: Ketchum & MacLeod & Grove Inc.

H

Hansen Mfg. Co., A. L. 77
Agency: Paul J. Steffen Co.
Harnischfeger Corp. 265, 271
Agency: Fuller & Smith & Ross Inc.
Hartford Machine Screw Co. 174
Agency: F. W. Prelle Co.
Hastings Mfg. Co. (Piston Ring Div.) . 49
Agency: Bozell & Jacobs Inc.

Hendrickson Mfg. Co. 199
Agency: Curtiss, Quinlan, Keene & Pack Inc.
Homestead Valve Mfg. Co. 201
Agency: Van Sant, Dugdale & Co.
Huppower Div. of Hupp Corp. ...256, 345
Hydro-Aire Div. Crane Co. 149
Agency: Gaynor & Ducas, Inc.

I

Imperial Brass Mfg. Co. 234
Agency: Buchen Co.
Ingersoll-Rand Co. 79
Agency: Beaumont, Heller & Sperling Inc.

J

Johns-Manville 62-63
Agency: Cunningham & Walsh Inc.

K

K-D Lamp Co. 377
Agency: Associated Advg.
K-D Mfg. Co. 335
Agency: Andes Advertising Agency Inc.
Kelly Springfield Tire Co. 217
Agency: Compton Advg. Inc.
Kelsey-Hayes Co. 247, 257
Agency: Zimmer Keller & Calvert Inc.
Kidde & Co., Inc., Walter 328
Agency: Cunningham & Walsh Inc.
Kilgore Inc. 3
Agency: Ovesey & Straus Inc.
King-Seeley Corp. 176
Agency: Howell & Young Advg. Inc.
Kinnear Mfg. Co. 302
Agency: Wheeler, Kight & Gainey, Inc.
Kohler Co. 312
Agency: Roche, Rickerd & Cleary Inc.
Kysor Heater Co. .....2nd Cover
Agency: Ideas Advertising Inc.

L

Lee Co., H. D. 168
Agency: Grey Advg. Agency Inc.
Lee Rubber & Tire Corp. 13
Agency: Gray & Rogers
Leece-Neville Co. 348-349
Agency: Griswold-Eshleman
Leyland Motors USA Inc. 346-347
Agency: Cunningham & Walsh Inc.
Lipe Rollway Corp. 305
Agency: Barlow Advg.
Luber-Finer, Inc. 147
Agency: Philip J. Meany Co.
Lubriplate Div. Fiske Brothers Refining 347
Agency: E. M. Freystadt Associates Inc.
Lyncoach & Truck Co., Inc. 250, 260
Agency: Fred Riger Advg.

M

Macchi & Co. 339
Agency: Geo. C. McNutt, Advg.
Mack Trucks, Inc. 225 thru 230
Agency: Doyle, Kitchen & McCormick, Inc.
Magnus Chemical Co. 209
Agency: Josephson, Cuffari & Co.
Mahon Co., R. C. 339
Agency: Dudgeon, Taylor & Bruske Inc.
Marson Corp. 4
Agency: Ingalls Associates
Maxwell Dynamometer Co. 345
McGraw-Edison Co. 32
Agency: Frederick C. Williams & Associates
McQuay-Norris Mfg. Co. .....364 thru 367
Agency: D'Arcy Advg. Co.
Meyercord Co. 178
Agency: John D. Morgan Inc.
Midland-Ross Corp. 191
Agency: Allman Co.
W. H. Miner Inc. 343
Agency: Burlingame-Grossman Advg.
Mobil Oil Co., Div. Socony-Mobil Oil Co., Inc. 360-361
Agency: Compton Advg. Inc.
Mohawk Rubber Co. 306
Agency: Carr Liggett Advg.
Mopar Div. Chrysler Corp. 109
Agency: N. W. Ayer & Son
Morco Inc. 216
Agency: Carr Liggett Advg. Inc.
Motorola Communications & Electronics, Inc. 353
Agency: Kolb & Abraham, Inc.
Motor Wheel Corp. 262, 292-293
Agency: Jepson-Murray Advg.

N

Napco Industries Inc. 383
Agency: Colle & McVoy Advg.

O

Oakite Products Inc. 28
Agency: Marsteller, Rickard, Gebhardt & Reed Inc.
Owatonna Tool Co. 218
Agency: E. T. Holmgren Inc.

P

P & D Mfg. Co., Inc. 184
Agency: La Porte & Austin, Inc.
Packard Electric Div. 356
Agency: Campbell-Ewald Co.
Pennzoil Co. 44
Agency: Fuller & Smith & Ross Inc.
Perfect Circle Corp. .....Back Cover
Agency: Henri, Hurst & McDonald Inc.
Pittsburgh Plate Glass Co. 41
Agency: Batten, Barton, Durstine & Osborn, Inc.
Plymouth Div. Chrysler Corp. 254-255
Agency: N. W. Ayer & Son Inc.
Porter Co., Inc., H. K. 332
Agency: Erwin Wasey Ruthrauff & Ryan Inc.

R

Ramsey Corp. 251, 268
Agency: Hanson & Stevens, Inc.
Ravens-Metal Products Inc. 185
Agency: Downing Industrial Advg. Inc.
Raybestos Div. Raybestos-Manhattan Inc. 52
Agency: Gray & Rogers
Reber-Friel Co. 313
Agency: Howard A. Harkavy Inc.
Reed Corp., H. B. 352
Agency: Seymour Charles Advg.
Rema Tool Inc. 392
Agency: J. M. Advertising
Revere Copper & Brass Inc. 111
Agency: Adams & Keyes Inc.
Reynolds Mfg. Co. 243
Agency: Ralph Nelms, Inc.
Riker Mfg. Inc. 351
Agency: Bradco Advertising
Rockford Clutch Div. 327
Agency: E. R. Hollingsworth & Associates
Rockwell Standard Corp. Transmission & Axle Div. 51
Agency: MacFarland, Aveyard & Co.
Rogers Brothers Corp. 83
Agency: Ball Advertising Agency
Ross & White Co. 304
Agency: Hanson & Stevens Inc.

S

Scandura Inc. 200
Agency: Downing Industrial Advertising
Schrader's Son, A. 69
Agency: G. M. Basford Co.
Sherwin-Williams Co. 145
Agency: Fuller & Smith & Ross Inc.
Shuler Axle Co. Inc. 131
Agency: Doe-Anderson Advg.
Sinclair Refining Co. 71
Agency: Geyer Morey, Madden & Ballard Inc.
Snyder Tank Corp. 388
Agency: Heffernan & McMahon Inc.
South Chester Corp. 309
Agency: Elridge Co.
Sparton Automotive Div. 352
Agency: Denman & Baker Inc.
Sprague Devices Inc. 350
Agency: Tri-States Advg. Co. Inc.
Spray Products Corp. 351
Agency: Richard R. Lukasiak Advg.
Standard Motor Products Inc. 295
Agency: Friend, Reiss Inc.
Standard Oil Co. (Calif) 22
Agency: Batten, Barton, Durstine & Osborn, Inc.
Standard Oil Co. (Ind.) 166-167
Agency: D'Arcy Advg. Co.
Stant Mfg. Co. Inc. 186
Agency: Associated Advg.
Stewart-Warner Corp South Wind Div. 24-25
Agency: Bozell& Jacobs Inc.
Stewart-Warner Corp. (Instrument Div.) 329
Agency: MacFarland, Aveyard & Co.
Studebaker Packard Corp. 6-7
Agency: D'Arcy Advg. Co.
Sunnen Products Co. 202
Agency: H. George Bloch Inc.

T

Texaco, Inc. 373-376
Agency: G. M. Basford Co.
Thermo King Corp. 205
Agency: Bozell & Jacobs Inc.
Timken Roller Bearing Co. 190
Agency: Batten, Barton, Durstine & Osborn Inc.
Tokheim Corp. 182
Agency: Jones & Taylor, Inc.
Townsend Co. 372
Agency: Bond & Starr, Inc.
Trailmobile, Inc. 122-123
Agency: Farson, Huff & Northlich
Triple-A-Specialty Co. 378
Agency: Butl-Roberts, Advg.
Tulsa Products Div. Vickers Inc. 331
Agency: Paul Locke Advg. Inc.
Tung-Sol Electric, Inc. 151
Agency: E. M. Freystadt Assoc.
Tyrex Inc. 258-259
Agency: McCann-Erickson, Inc.

U

United Engine & Machine Co. 368
Agency: Walter N. Hancock
United Fund 338
United Motors Service 47
Agency: Campbell, Ewald Co.
United States Rubber Co. 317
Agency: Fletcher, Richards, Calkins & Holden, Inc.
United States Steel Corp. 307
Agency: Batten, Barton, Durstine & Osborn, Inc.

V

Van Norman Machine Co. 382
Agency: O. S. Tyson & Co., Inc.
Victor Mfg. & Gasket Co. 37
Agency: Buchen Co.
Volvo Import, Inc. 379
Agency: Chirurg & Cairns Inc.

W

Wagner Electric Corp.
Brake Fluid & Parts 10-11
Tachograph 370
Agency: Arthur R. Mogge, Inc.
Waukesha Motor Co. 246
Agency: Cramer-Krasselt Co.
Weatherhead Co. 330
Agency: Carlson Co., Inc.
Weaver Mfg. Co. .....153 thru 156
Agency: Clark & Bobertz Inc.
Wellington Sears Co., Inc. 203
Agency: Ellington & Co.
Western Unit Corp. 344
Agency: Houston Advg. Service Co.
White Motor Co. 219, 384-385
Agency: Fuller & Smith & Ross
Wilkening Mfg. Co. 1
Agency: Aitkin-Kynett Co.
Willard Storage Battery Div. 171
Agency: Meldrum & Fewsmith Inc.
Wix Corp. 81
Agency: Humbert & Jones
World Bestos Corp. 262-263
Agency: La Grange & Garrison Inc.

Y

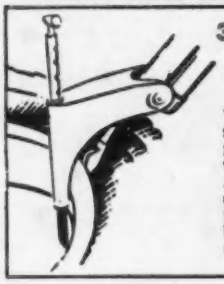
Yankee Metal Products 16
Agency: Friend Reiss Co.

Z

Zollner Corp. 192
Agency: McDaniel, Fisher & Spelman Co.

Faster, easier CHANGES...

with the exclusive REMA-MATIC® Truck Tire Remover!



3 Simple Steps:

1

With deflated tire on floor (lock ring up) place wedge on tire touching lock ring. Adjust hook to rim size. Repeat 3 or 4 places around tire, breaking bead. Remove lock ring.

2

Secure tire stand to rim and flip tire over.

3

Apply tool in several places. Presto—your tire is off!

Only REMA-MATIC® :

1) Removes truck tires in 3 to 5 minutes and with complete safety.
2) Automatically locks and unlocks from rim.
3) Easily breaks toughest bead and lock rings.
4) Forces tire completely off rim with no pounding—4 tons of smooth fluid controlled thrust.
5) Eliminates major cause of lock ring blow-off due to hammer damage to lock ring seat.
6) Offers finger tip control—a *one* man operation.
7) Only portable hydraulic tool—use in the shop or on your service truck.

REMA® flip-over Tire Stand

- Adjusts quickly to fit all standard rims
- Locks securely to rim for easy roll-over
- No "fall-out" nuisance
- Rugged construction withstands abuse
- Holds rim 12 inches from floor to complete tire removal

Another remarkable product by Rema

Priced for even the smallest shop!

Write, wire, call:
REMA TOOL, INC.
2 Park Avenue
New York 16, N. Y. OR. 9-7181

All REMA® Products fully guaranteed

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Big 10" Rubber Wheels

Make AUSCO One End Lifts MOST MANEUVERABLE

Choose either the Hydraulic-powered or Air-powered AUSCO One-End Lift. You'll get fast, easy lifting plus more maneuverability than with any other one-end lift on the market! Big 10" semi-pneumatic rubber wheels roll over any surface with air-cushioned smoothness.

Air-Powered ONE-END LIFT

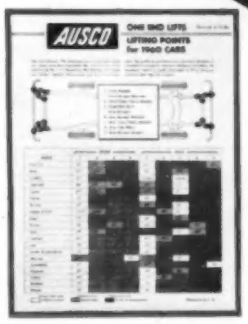
Speed up every job with this air-powered One-End Lift. Can be permanently or temporarily attached to shop air hose or operated from tire inflater. All controls grouped for one-hand operation. Positive safety lock prevents accidental lowering. Capacity, 3,000 lbs. Lift extender as shown available for both Air and Hydraulic-powered One-End Lifts.

No. A10-7 One End Lift shown with Lift Extender

Hydraulic ONE-END LIFT

Fast-acting, hydraulic power raises all cars and light trucks smoothly, easily, safely. Dual safety locks prevent accidental lowering.
Capacity 3,000 lbs.

No. A10-8 Hydraulic



FREE Lifting Chart

Send for AUSCO's free lifting chart. Shows factory recommended lifting points for all cars. Saves time — prevents damage.

TRANSMISSION ADAPTER DP160-T

A great combination with A10-8 Hydraulic One-End Lift. Raise, lower and position transmissions for all cars and light trucks, including Powerglide.

AUSCO LIFTING EQUIPMENT

Manufactured by

AUTO SPECIALTIES MANUFACTURING CO.

ST. JOSEPH, MICHIGAN
WINDSOR, ONTARIO, CANADA

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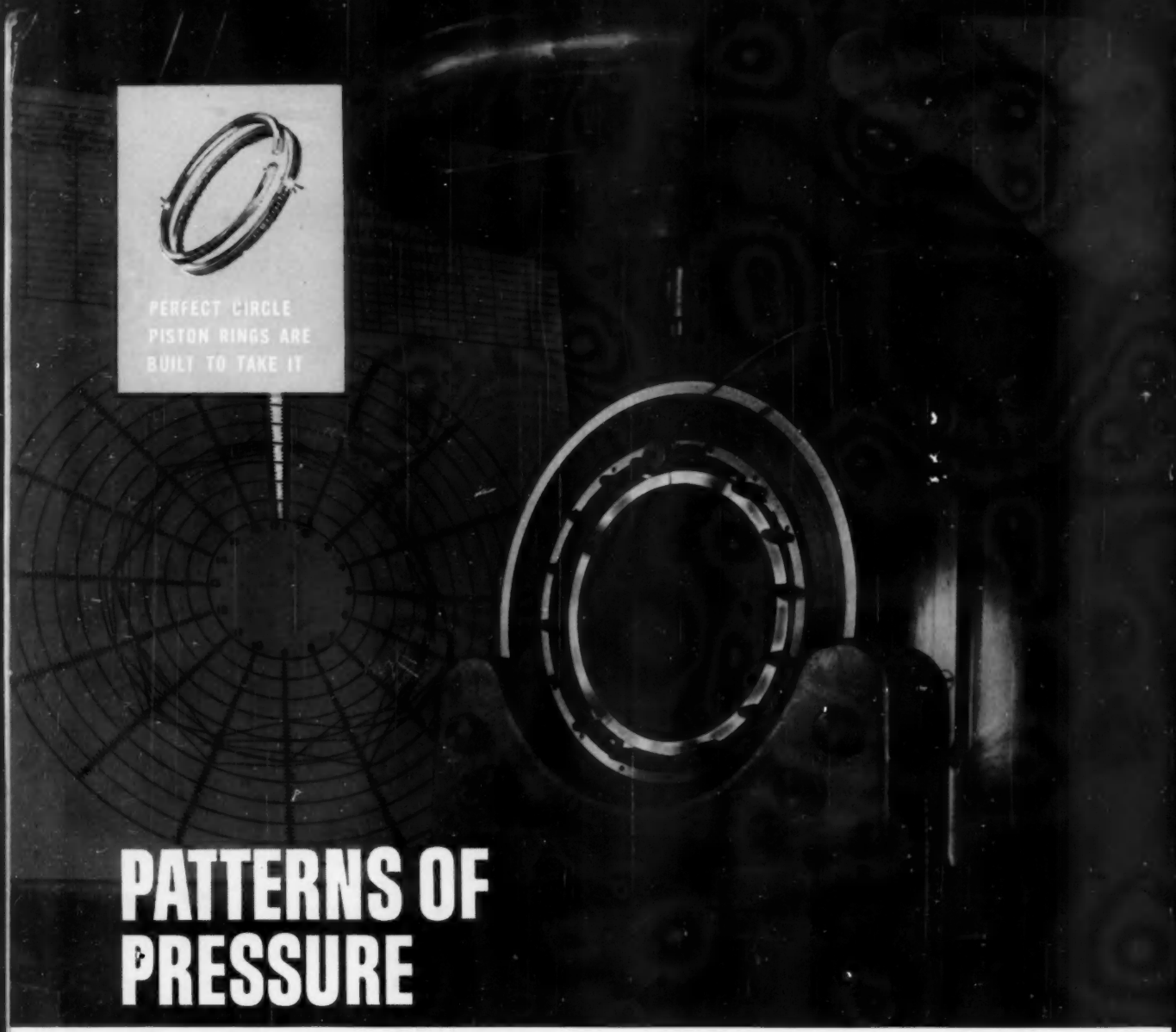

PATTERNS OF PRESSURE

Every size and type of Perfect Circle ring is designed to have the correct radial pressure distribution for the type of engine in which it is to be used.

Processes and equipment are carefully developed, through the use of precision gauges, to produce the exact pressure required. Radial pressure is accurately measured at 17 points around the ring and the measurements are then graphically plotted.

Testing such as this is your assurance that Perfect Circle rings are built to take it. Rely on Perfect Circles—the most preferred piston rings.

PERFECT CIRCLE

PISTON RINGS · PRECISION CASTINGS · POWER SERVICE PRODUCTS · SPEEDOSTAT

HAGERSTOWN, INDIANA · DON MILLS, ONTARIO, CANADA

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1